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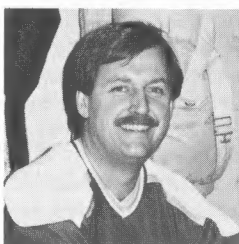


8 Open for Business

The University's newest building is now open for business. Almost seven decades after its founding as the School of Accountancy, the Faculty of Business has finally found a permanent home, one with a special centre to bring the Faculty and the business community closer together.

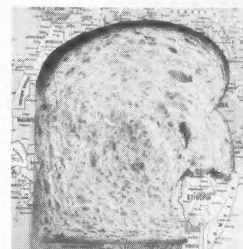
25 Our Daily Bread

One of the world's leading agricultural economists addresses one of the most timely topics of our day: the prospects for our hungry world. In particular, John Dillon looks at "technology vs. hunger," drawing upon a wide body of research evidence and his own vast experience.



28 A Conversation With The Alumni President

The Alumni Association is in a state of change, says the Association's president. Robert Heyworth shares some of his thoughts about recent developments taking place in the Association and about the role the alumni can play.



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Cover

The hungry of the world can be fed — technology can conquer hunger — but we must work together, to save millions of people from starvation, says Dr. John Dillon. It will not be easy, he says. But it can be done.

The inaugural Nathaniel H. Grace Lecturer, he advocates a farmer-first-and-last approach to technology development. See page 25.

The Editor

Looking at a Hungry World

WHEN HE DELIVERED THE INAUGURAL Nathaniel H. Grace Lecture in November, the Australian agricultural economist John Dillon made a powerful statement. "Poverty," he said, "is the warehouse of hunger."

The title Dr. Dillon gave his lecture was "Technology versus Hunger: Programs and Prospects" and excerpts from it are featured in this issue of *New Trail* under the shorter title "Our Daily Bread." I highly recommend the article; Dr. Dillon is a scholar of impeccable credentials and wide experience, and the issues he addressed in the lecture, one in the series which was launched as a 75th Anniversary gift to the University from the Alberta Research Council, are of critical importance.

We who are well-fed in the "have" nations of the world may wish to blind our eyes to those who die from hunger, seeing only the ashes of an offering demanded by Nature, stern Goddess of Balance, but the facts and figures which confront us in Dr. Dillon's lecture reveal an immensity of suffering for which man must answer.

We'd Like to Hear From You

New Trail welcomes your contributions. Let us know what you are doing now (see page 29) or send us memories from your days on campus or of someone associated with the University (see page 5).

Perhaps you would like to submit an article, or have suggestions for an article we might do. Or maybe you know of a graduate whose work in the visual arts we might feature in "Imagery" — maybe yours.

The next New Trail advertising and copy deadline is July 2, 1985.

It is not because the world cannot support its masses that so many go hungry. Millions of men, women and children — especially children — starve and die each year because they are poor. Their entitlement to a share in the wealth of a world estimated to be capable of feeding as many as 36 billion people is not recognized, and so they perish.

Another perspective on the issues addressed by Dr. Dillon is provided by an interesting letter I received recently. It came from Allen Mwalituke, '74 BEd, who had returned to his native Tanzania following his graduation. After chronicling his postings at various colleges in remote regions of his country and a year spent in MA studies at the University of Dar es Salaam, he goes on to say:

In 1977, after my MA studies, I was posted at the ministry headquarters in Dar es Salaam in the teacher education department as curriculum developer for community schools, a project which was assisted by UNICEF/UNESCO. I was entrusted with the responsibility of coordinating this project. I stayed on in this assignment until 1980, when I made another crucial decision: to join UNICEF and learn all about the vagaries of international weather which accelerates underdevelopment of underdeveloped nations. It may sound funny, but it needs a book to write on how the international institutions impoverize the poor nations.

While with UNICEF I moved from region to region and from district to district so that I was able to cover all of the 18 regions in mainland Tanzania and over 80 districts of the about 100. I travelled to countless villages with a vast experience of how villages fail or grope to develop in this crucial economic recession affecting poor nations. Having worked with UNICEF for four years, I do not know whether the development of poor nations would entirely depend on their own resources or cries for aid that becomes too little or too much to meet local initiative and confidence.

I am now a peasant in my own village, comfortably owning a permanent small house, two cows, two pigs and an acreage of four acres

comprising bananas, cassava, cocoa trees and paddy fields. I have volunteered to teach at the secondary school twice per week and to help the few primary teachers who need the help, and so far no one has come forward for help because to them I am just a villager of nine children like themselves, after all.

But I am much happier as a peasant than I had been when I was in big cities. I do not worry about commodities like jam, bread or even sugar because they are not available or too far removed to cause any concern. My kids are also getting used to this life. If I apply for any employment in the future it is because I need a pick-up vehicle to help transport provisions. This is my greatest problem. But I am getting used to it. I wish I could make another visit to the University for one or two lectures.

But I like to be informed of the current affairs in the world and for this reason wish to thank you most tremendously for your New Trail magazine and will highly appreciate something like it frequently — for that makes the difference between a graduate peasant and others.

The complex dynamics which interplay in the relationships between the "have" and the "have not" nations will also be scrutinized at the *Canada, The World and The Future Conference*, which will take place on campus in March. Among the sessions at which topics important to the future of Canada and the world will be discussed is one that Mr. Mwalituke would certainly find interesting; it is titled "International Aid or International Interference." The *Canada, The World and The Future Conference*, scheduled for March 11 to 15, is free and open to the public, and should prove extremely interesting. See "Campus Reporter" for details.



Rick Pilger
Editor

Kampus Daze and Other Frolics

by E. Virginia MacKay (Webb), '48 BSc

IN A DUSTY BOX OF MOMENTOS, WHICH has somehow survived two trans-ocean moves and some infrequent but ruthless housecleaning sessions, I discovered several dance programs saved from my undergraduate years during the '40s. These were the years during and just after World War II when we listened and danced to the "Big Band Sound" of Glenn Miller, Artie Shaw, Benny Goodman, Les Brown, and the Dorsey brothers. We waltzed and fox-trotted and "jitter-bugged"; the "twist" and "rock and roll" were to be the dances of our kid sisters and brothers and our children.

These were also the years of the formal dances that every co-ed on campus dreamed of: the Junior Prom, the Engineers' Ball, and the "Froph" (which was sponsored jointly by the freshman and sophomore classes). The planning committee for each dance chose a theme for the decorations and the dance programs. In my box are several of these programs that I had carefully saved so I could remember and enjoy those exciting evenings all over again.

In 1944, the Junior Prom was called the *Jack Frost Frolic*. The program — all in shades of blue — shows Jack blowing his frosty breath from behind a huge snowball. The theme of the '45 Froph was *Moonglow*, and the program shows the title and a smiling new moon printed in silver against a black background. In '46, the theme of the Froph was *Aftermath*, and the green and gold program is shaped like a frosh beanie.

If you were a co-ed, your date "traded" dances with his classmates and filled in your program before the dance. Each dance had a name — dreamed up by the committee — and these names make amusing reading now. For *Moonglow*, the program lists dances called Silver Fantasy, Mais Oui, Twilight Mood, and Enchantment.



The program for the '45 Junior Prom, *Kampus Daze*, lists Arts Amour, Med Meander, Nurses Nocturne, Tuck Bound, and Gridiron Glide. For the *Jack Frost Frolic*, Overshoe Overture is the first dance, followed by Glacier Glide, Toque Tussle, Toboggan Loggin', and Mukluk Mix-up. And two of the dances in the *Aftermath* program are Book Boogie and Writer's Cramp.

All the women students on campus belonged to the Wauneita Society, and the Wauneita dance gave them their turn to invite a date for the evening and find partners for the dance programs. This dance had an Indian theme, with dances called Cree Crawl, Indian Love Call, Tomahawk Trot, Blackfoot Boogie, Wigwam Wiggle, and Wampum Waddle.

The engineers showed their inventive and mechanical abilities in the dance programs for their balls, as well as in their decorations and displays. I remember a model of the Peace River Bridge and, another year, a working model of an oil rig. I also remember having to duck through a long dark tunnel — the tar paper project of the mining engineers — to enter the "Drill Hall" for one of the balls.

The program of the '45 Engineers' Ball looks like a slide rule, with an insert that slides out to show the list of dances, including Brownian Move-

The dance floor of the 1941 Junior Prom attests to the popularity of student dances in the Big Band era.

ment, Simple Harmonic Motion, High Voltage, Sympathetic Vibration, and Godiva's Ride. Another program, this one from '46, has a movable dial with two slots showing the names of the dances and your partners as the dial is turned. The dances include Catenary Caper, Heat Exchanger, Live-Wire, Jet Propulsion, Flotation, Eureka Reaction, High Tension, Low Resistance, and Yield Point. All highly technical, and some highly suggestive of what the engineers had on their minds!

Today's youth are rediscovering the Big Band Sound and listening to *String of Pearls* and *Deep Purple* and *Sentimental Journey*, but I doubt that the customs of junior proms, white gloves, and dance programs will catch on again. And I think the word *co-ed* vanished about the time the term *women's lib* appeared.

The box has been packed away, to be dusted off and investigated again some day, but I enjoyed a few moments smiling over the memories of the dances — and of the dancers — and chuckling over the names of the dances in the programs. <

An Alumnus

E. Richmond Olson, '50 BA, '51 LLB

IT IS A RARE DISTINCTION TO HAVE AN international treaty bear your name, but such an honor came the way of alumnus E. Richmond Olson this past year.

In late June 1984 news reports throughout Canada and the United States announced a treaty settling a long-standing dispute involving the two nations. At issue was the intention of the City of Seattle to raise the High Ross Hydroelectric Dam on the Skagit River in Washington State. Raising the dam would have caused the flooding of seven square miles of the river's valley in British Columbia.

The settlement forged by the International Joint Commission was an imaginative one. The basic agreement was that Seattle would not raise the dam in return for a commitment by British Columbia to supply to Seattle the equivalent electric power it would have obtained if it had raised the dam. For the power, Seattle will pay to British Columbia the equivalent of what it would have cost to raise the dam and then maintain and operate it. Another aspect of the agreement established an environmental endowment fund to beautify the existing Ross Dam Reservoir and to create new trails and other facilities in both the Canadian and U.S. portions of the Skagit Valley.

The settlement was praised on both sides of the border. In the Canadian House of Commons, joy was expressed that a beautiful valley had been preserved for both Canadian and Americans, "not just for ourselves but for our children and grandchildren."

In the U.S. Congress, "the diligent and tireless efforts" of the IJC to settle the "longest-standing major environmental dispute between the United States and Canada" were lauded. In particular, the "patience, persistence and hard work" of American Commissioner L. Keith Bulen and of Commissioner Olson were praised. And it was proposed that Congress "henceforth refer to this document as the 'Bulen-Olson Treaty.'"

Mr. Olson has been a member of the



IJC, which comprises three Canadians and three American members, since August 1981. He served as the Canadian chairman until December 1982.

Mr. Olson describes the Commission as unique, in that it is "the only existing international tribunal which has original jurisdiction" — that is, it has authority to make orders in certain matters without the necessity for consent from the governments which established it.

The IJC was created by the Boundary Water Treaty of 1909, prompted by disputes such as that regarding the use of the waters of the St. Mary and Milk Rivers for irrigation purposes in Alberta, Saskatchewan and Montana — a dispute which at times almost developed into a shooting war.

Since its founding, the IJC has successfully dealt with numerous disputes involving the use of boundary waters for navigation, irrigation, and power generation. It has also become involved in matters relating to air and water pollution.

Mr. Olson spent his childhood in the Alberta farming community of New Norway and completed his secondary schooling in Camrose, Alberta. He came to the University of Alberta, choosing law "because I knew my future wouldn't be in science or medicine." At varsity, Mr. Olson was impressed by two professors in particular, F.M. Salter in English — "a magnificent teacher," he remembers — and Alexander Smith in Law. He credits the latter with giving him an indication that there was a world of

Alumnus Olson, U.S. President Reagan, V-P Bush, and Keith Bulen (front, left to right) at the reception marking the Bulen-Olson Treaty.

law "beyond a street practice."

It was to that world that Mr. Olson gravitated, developing a strong interest in issues of law and social justice. He has taught courses at a number of Canadian universities, at the Banff School of Fine Arts, and at Cambridge (UK). He has also organized and attended several seminars at Stanley House for the Canada Council.

After a career in the Canadian department of justice, from which he resigned in 1976 after serving as general counsel, he established the Waverly Institute for the Study of General Theory.

A partial listing of organizations in which Mr. Olson has been involved gives some idea of the breadth of his interests: the Law Reform Commission of Canada, The Canadian Association for the Club of Rome, the Vanier Institute of the Family, the Consumers' Association of Canada, the International Council on Social Welfare, the Canadian Institute for the Administration of Justice, the Canada Task Force on Computers and Privacy, the Task Force on Canadian Unity, and the Association for the Study of Man-Environment Relations (New York). He is also a convenor of an organization with a particularly interesting name: the Community Around the Fund of Common Sense. ◀

Imagery



Lake From the Beach

LESLIE POOLE, '67 BFA gained his MFA from Yale University in 1970, and his 41 solo exhibitions since then have earned him considerable recognition. His work has been exhibited in all ten Canadian provinces, as well as in the United States and Europe, and his paintings are included in major public, corporate and private collections.

Mr. Poole was born in Halifax, grew up at Poole's Corner, P.E.I., and now lives in Vancouver. The recipient of four Canada Council grants, he believes that the basis of all art is "to depict what it feels to be human" and that through the continuous exploration of him/herself the artist symbolically creates the condition of the human soul.

In Mr. Poole's painting, masterful, expressionistic brushwork is directed by the assurance of years of experience to create works of deeply-felt emotions. Expert handling and use of color are his trademarks. His diversity is apparent in the subjects of his paintings which include male and female figures, still life, landscapes, and sails.

Mr. Poole also works extensively in the media of drawing and printmaking. ◁



Aria

Represented by: Canadian Art Galleries, Calgary; Gilman Galleries, Chicago; Hett Gallery, Edmonton; Robertson Galleries, Ottawa; Susan Whitney Gallery, Regina; Madison Gallery, Toronto; Kenneth G. Heffel Fine Art, Vancouver.



The newest major building on campus is now officially . . .

OPEN FOR BUSINESS

After 69 years, three name changes, and a dozen moves, the Faculty of Business now has a home it can call its own.

Standing proudly at the north end of the Arts Court, the Faculty of Business Building has taken its place among the major structures on campus, its red brick and pillars nodding to the Arts Building and the era of beginnings, and its clean modern design a link with its neighbors born of a more functional age: Tory, HUB, Humanities and, across the Arts Court, Rutherford North.

The new structure is a linking building in another way as well. With its connection to Tory and its elevated pedway to HUB, the Business Building extends to the northern border of campus an interior walkway system which begins at the distant Law Centre and leads to the Fine Arts Centre, HUB, Humanities and the old and new Rutherfords.

The new building meets the Henry Marshall Tory Building in a light and spacious atrium, giving the

main entrance to Tory a welcoming aspect it had always lacked. It was in this atrium that on November 26 more than 600 people representing the business, government and academic communities gathered for the official opening of the Faculty of Business Building.

Highlighting the ceremonies was an address by Premier Peter Lougheed, who stressed the challenges for Alberta in international trade and business.

Also participating in the opening ceremonies were the president of the University, Myer Horowitz; the dean of the Faculty of Business, Roger S. Smith; the provincial minister of municipal affairs and MLA for Edmonton Strathcona, Julian Koziak; the provincial minister of advanced education, Dick Johnston; the University's chancellor, Peter Savaryn; the chairman of the University's board of governors, John Schlosser; and Robert Stollery, chairman and chief executive officer of PCL Construction Ltd.

Other platform guests included Mrs. Shirley Stollery; Eric Geddes, past chairman of the business advisory council of the Faculty of Business; William A. Weir, president of A.V. Carlson Construction Corporation Ltd.; Donald Bittorf, principal-in-charge of Donald G. Bittorf Architect Ltd.; and Peter R. Winters, chairman of the building committee, Faculty of Business.

A reception followed and students conducted tours of the impressive new home of the Faculty of Business, which had its beginning in 1915-16 as the School of Accountancy.

Originally, the School was a charge of the Faculty of Arts and Sciences and was housed in the Arts Building. In 1928, through a change of name, it became the School of Commerce. In 1960 another name change reflected a new status: the Faculty of Business Administration and Commerce became the University of Alberta's tenth faculty. Two years later, it moved into what became known as the Commerce Hut — the old infirmary built during the Second World War — and grew from there.

Faculty and staff were added. Courses and programs grew. The Faculty split and moved into spaces around the University as they became available. Planning for a new building began.

And then questions arose over the site proposed for the building and the possibility of renovating an old building. Funding was delayed and priority was given to other University building projects. The Faculty divided and moved again. Then the building boom of the late 1960s and early 1970s ended.

While the Faculty made use of whatever space it could find on campus, planning for the new building continued into the '80s. Then, in March of 1982, funding of \$17 million for the long-awaited home for the Faculty was announced in the Provincial Legislature. By this time the Faculty — which that summer changed its name to the Faculty of Business — had spread into parts of the Central Academic Building, Athabasca Hall, the Athabasca Hall Annex, and the South Laboratory Building. Even with the completion of the new building, limited space requires that some graduate student study space remains in the South Lab.

Construction of the Business Building began in 1982 and was completed in the summer of 1984. The architect for the project was Donald G. Bittorf of Edmonton, and construction was by A.V. Carlson. PCL Construction was contracted separately for the Stollery Executive Development Centre.

The Stollery Centre, which provides a focal point for interaction between the University and the business community is situated as a partial fifth floor atop the Business Building. On the four floors below are modern classrooms, each wired for potential computer use, and each equipped with either permanent or portable audio visual equipment. The largest of these have tiered floors and seat 90 comfortably. Others seat 60. Horseshoe-shaped seating in the smaller classrooms accommodates the case-study method of teaching.

There are also computer labs, efficient administrative offices, and the quiet and spacious Winspear Reading Room, which houses the business reference collection of the University Library. Pleasant lounges and study areas are found on all four floors; for the building was designed to encourage informal interaction amongst students and faculty.

After 69 years the former School of Accountancy has grown to become one of the University's largest



Robert and Shirley Stollery in the new Centre.

THE STOLLERY EXECUTIVE DEVELOPMENT CENTRE was officially opened on November 26 as part of the opening ceremonies of the Faculty of Business Building. The occasion is commemorated by a plaque which reads:

This Centre was made possible by a gift from Robert and Shirley Stollery, in honor of the pioneer Stollery family who came from Suffolk, England in 1906 to settle in Strathcona, Alberta. During the first year, they lived in a tent in the bush in Garneau, quite close to the site of this University.

Their integrity laid the foundations that have endured.

Their gift was matched by a grant from the Government of Alberta.

The Stollery Executive Development Centre will bring together leading executives, University groups, and visiting academics. Attractively situated as a partial fifth floor atop the new Faculty of Business Building, the Centre contains a seminar room and a large conference room for meetings, lectures and courses. Both lead onto a roof-top patio overlooking the Arts Court. A kitchen provides facilities for receptions.

The Centre will enable the Faculty of Business to more effectively interact with and serve the professional and management community directly. Envisioned are interchanges with the professional and business community to make the Faculty aware of existing needs and practices and to let the community know the Faculty's interests and capabilities, specialized management education activities, and receptions of various kinds.

Similar facilities are well-used in many leading North American business schools.

Faculties, with 1,540 students enrolled on a full-time basis for undergraduate study and more than 100 others registered in the MBA program. Now it has a home that can accommodate the kinds of programs envisioned by both the academic and business communities. <

Campus Reporter

Largest-Ever Grant Awarded to Protein Group

IN A BRIEF CEREMONY HELD ON CAMPUS December 6, Myer Horowitz, president of the University of Alberta, and Pierre Bois, president of the Medical Research Council of Canada, affixed their respective signatures to an agreement extending the MRC's support of its Group in Protein Structure and Function at the University.

It was a historic moment for both the University and the MRC; for the \$6 million committed to the Group over the next five years represents the largest single research grant the University has ever received and the largest single grant the MRC has ever bestowed.

At the centre of this commitment to the advancement of medical knowledge is the Protein Group headed by Drs. Cyril Kay and Lawrence Smillie, professors of biochemistry. They, along with four other principal invest-

igators and 40 additional researchers, are seeking to understand the structure and function of enzymes, muscle proteins and protein-nucleic acid interactions, all of which are fundamental to the life process.

"Their work," commented MRC President Bois during his visit, "is the study of the basic building blocks of any biological structure."

In funding the Group's research, his Council is recognizing the importance of understanding the normal life process — which can, in turn lead to an understanding of the diseased state.

The basic medical research being done by the Protein Group will undoubtedly yield clues that may someday be important in the development of cures or treatment for a wide variety of diseases — among the better known ones which have been mentioned are muscular dystrophy, multiple sclerosis, herpes, and high blood pressure.

A major thrust in the Protein Group's work is the investigation of the protein interactions involved in the contraction of muscle — muscle being intricately bound strands of protein which expand and contract in response to the presence of calcium released by surrounding nerves.

Other areas of investigation include an examination of how protein clings to DNA molecules, studies of how enzymes trigger chemical reactions, and work in the new field of synthetic vaccine production.

The \$6 million grant to the Group will primarily be used for operating costs; however close to \$1 million is budgeted for equipment purchases.

Degrees Conferred

MORE THAN 1,200 DEGREES WERE conferred at the University's Fall Convocation held on November 17.

At the ceremonies held in the Northern Alberta Jubilee Auditorium, the Report to Convocation was given by Peter Meekison, the University's vice-president (academic), and honorary degree recipient Nathan Keyfitz presented the Convocation Address.

Dr. Keyfitz, Andelot Professor of Sociology (emeritus) at Harvard Uni-

versity and Lazarus Professor (emeritus) of Social Demography at Ohio State University, is currently with the International Institute for Applied Systems Analysis in Austria. He is known throughout the world for his work in demographic techniques and mathematical demography, and for his contribution to graduate training.

An honorary degree was also awarded to Ruth McClure, former dean of the Faculty of Nursing and a 1973 BSc(Nu) graduate of the University. Under her direction the then School of Nursing grew steadily to gain national and international stature, ceasing to be a unit of the Faculty of Medicine and gaining status as a faculty in 1976.

Professor McClure was instrumental in establishing the master's degree in health services administration at the University, the world's first program for preparing executive-level nursing administrators in a multidisciplinary program. It was to become a prototype in North America.

SU Donates to Library

AT THE DECEMBER MEETING OF THE University's Board of Governors, Students' Union President Floyd Hodgins announced that the SU had donated \$100,000 to the University Library.

The money, extracted from the SU's general reserves, will be used to purchase new books. And indications are that the donation will be matched by the provincial government.

"The donation is much appreciated; it's a tribute to the Students' Union," said Board chairman John Schlosser. President Horowitz also thanked the SU, noting that "no other students' union in the country has done anything like this."

The SU contribution resulted from the following motion passed by the student government: "Whereas the University of Alberta Library funding is (after inflation) less than 65 per cent of what it was 11 years ago; and whereas up-to-date books and materials are needed to help offset this deterioration in the quality of our edu-

Mechanical Engineering Reunion

A special reunion will be held by the Department of Mechanical Engineering this spring. All graduates of this discipline are invited back to campus to celebrate the silver anniversary of the first graduating class and to help mark the retirement of Professor George Ford, the original head of the department.

The weekend of May 24-26, 1985 has been selected for the event and will be filled with activities. Classes from all years are invited to renew old friendships and make new ones during this silver anniversary celebration.

For more information, please contact:

Dr. J.D. Dale
Mechanical Engineering
University of Alberta
Edmonton T6G 2G8
(403) 432-5317

cation; and whereas the Minister of Advanced Education, Dick Johnston, has announced that the Provincial Government will continue to match private and corporate donations to Alberta universities via the 1980's Advanced Education Endowment Fund; moved that the Students' Council take \$100,000 from general reserves and donate this money to the University of Alberta libraries for the acquisition of new books."

President Hodgins later said that the \$100,000 will help but it is not enough, suggesting that other groups may wish to follow the students' lead.

Honoring An Illustrious Albertan

A FUND RAISING DRIVE IS UNDERWAY TO establish a University Chair to be named in honor of the late leader of the NDP Party in Alberta, Grant Notley, who was killed in a tragic airplane crash near High Prairie, Alberta in late October 1984.

Mr. Notley, a 1960 BA graduate of the University, was the official leader of the opposition in Alberta at the time of his death. He is remembered for his integrity and for his commitment to the people of Alberta and Canada, and to his party.

In his eulogy to Mr. Notley, delivered at the memorial service held in Edmonton's All Saints Anglican Cathedral, Saskatchewan NDP leader Allan Blakeney spoke about Grant Notley's dedication to bringing people together:

While he recognized that government involves clashes of interest, he sought ways to broaden the areas of co-operation among groups in society. He spoke of needing to develop new ways by which government, business and labor could arrive at broad general objectives and devise common ways to pursue them....

Inherent in these approaches was a recognition that not all wisdom and dedication was to be found in our party alone, and that commitment to democratic ideals involved tolerance and respect for the views of others....

At the December news conference announcing the search for funds for the Grant Notley Chair, U of A president Myer Horowitz stated that he

had been in touch with more than 300 MLAs who had indicated their support and that numerous individuals had already tendered donations. He also indicated the provincial government's full support for the Chair and its promise to match the money raised.

Also at the news conference, Mr. Notley's widow, Sandra, said that she and her family are "extremely im-

pressed with the way the University is honoring Grant. I know he would feel that this is the right way to continue his work."

Approximately \$600,000 will have to be raised and subsequently matched by the provincial government if the Chair is to be realized. If it is, the holder of the Notley Chair will be involved in teaching, research and scholarly activities. The Chair will be

REMEMBER GRANT NOTLEY



Help the University of Alberta establish a lasting testimonial: the Grant Notley Memorial Chair.

This permanent position will be held by distinguished academic specialists in a range of subjects related to the political history of Alberta. Teaching and research will be non-partisan, and may focus on economics, history or political science.

Grant Notley has made his contribution to the people of Alberta. Please help to keep the spirit of his dedication alive through your contribution to the Grant Notley Memorial Chair fund.

Please clip and mail with donation.



GRANT NOTLEY MEMORIAL CHAIR

I wish to remember Grant Notley with the following contribution:

☐ \$15 ☐ \$25 ☐ \$50 ☐ \$100 ☐ \$500 ☐ \$1000 (President's Club)

☐ Other _____

Name _____

Address _____

_____ street number, apartment

_____ city _____ province _____ postal code

make cheques payable to:

GRANT NOTLEY MEMORIAL CHAIR

for further information phone 432-4418

Remember all donations are tax-deductible

and mail to:

University of Alberta
450 Athabasca Hall
Edmonton, Alberta
T6G 2E8



non-partisan, covering the broad spectrum of Alberta politics and history. Although the initial impetus for its establishment came from the department of political science, the Chair would be rotated among departments and disciplines, held by one individual for perhaps five to ten years. It could, for example, be held by a historian with an interest in the political history of Alberta, or by an economist whose interests touch upon the political history of the province.

In proposing the Chair to the University's academic development committee, the ad hoc committee which proposed the new Chair stated, "This Chair is meant to honor an illustrious Albertan. It is our hope that it will br-

ing illustrious scholars to the University of Alberta."

A native of Didsbury, Alberta, Grant Notley was heavily involved in student politics on campus, particularly the mock parliament which included such individuals as former prime minister Joe Clark, Liberal James Coutts, and former Alberta Social Credit cabinet minister Raymond Speaker.

Shortly after graduating, he became involved in provincial politics as the NDP's provincial secretary. He was named the provincial party leader in 1968 and was first elected to the Legislature in 1971 as MLA for the Spirit River-Fairview constituency. He was returned to office in 1975, 1979 and 1982.

The Future to be Examined

A NUMBER OF TOPICS OF IMPORTANCE TO the Canadian nation and the global community will be discussed at a public conference to be held on the University of Alberta campus in March.

The *Canada, The World and The Future Conference*, scheduled for March 11 to 15, 1985 is open to alumni and the general public as well as University staff and students. All sessions take place in the recently-opened Bernard Snell Hall, part of the new Mackenzie Health Sciences Centre. No registration is required and there are no admission charges.

Around And About

UNIVERSITY PROFESSOR KAROL KROTKI HAS been elected vice-president of the Academy of Humanities and Social Sciences at the Royal Society of Canada. He will serve in that capacity for two years, after which he is to assume the presidency for the subsequent two years.

AT THE INITIATION OF THE UNIVERSITY'S Centre for Gerontology, a series of 13 television programs dealing with topics related to the aging process will be broadcast throughout Alberta by the ACCESS network this year.

AMONG THE PROMINENT VISITORS TO THE campus in the past few months were three noteworthy men who came to deliver major lectures. In late October, Lord Asa Briggs, provost of Worcester College, Oxford England and a founder of Britain's Open University, delivered the 1984 Tory Lecture; his topic was "The Age of Broadcasting." A month later, Sir Zelman Cowen, provost of Oriel College, Oxford, and chairman of the British Press Council, shared some of his experiences as the Governor General of Australia in the inaugural Martland Lecture, sponsored by the Faculty of Law. Earlier in November, the head of the physical and inorganic chemistry department at the Bell laboratories in New Jersey, Peter Rentzepis, delivered the chemistry department's H.E. Gunning Lectures.

AS PART OF AN EXCHANGE PROGRAM THAT enabled 16 University of Alberta students

to travel to China last summer, Pan Shaoxi and He Enchun from Heilongjiang University and Zhao Yueying from the Harbin Teacher's University are studying at the U of A in a non-degree capacity for eight months. The exchange program is an outgrowth of the special relationships that the Province of Alberta has with the Chinese province of Heilongjiang and the University of Alberta has with the universities of Heilongjiang. All three of the Chinese participants are English teachers at their respective universities.

WHEN THE SCIENCE COUNCIL OF THE ALBERTA Teachers' Association met in Red Deer recently, it awarded its Distinguished Service Citation to Marshall A. Nay of the University's department of secondary education.

IN MID-NOVEMBER, A RECEPTION WAS HELD AT the Faculty Club on campus to mark the appearance of the first of four volumes of the alphabetical Encyclopedia of the Ukraine in English. Covering the letters A to F, it is the fruit of research by more than 100 scholars in the Western world, at a cost of almost \$1 million. One of the three sponsors of the Encyclopedia, which is being published by the University of Toronto Press is the Canadian Institute of Ukrainian Studies, based at the U of A.

ON DECEMBER 14 THE FACULTY OF EXTENSION held an informal reception to honor Charles Lockwood, who stepped down from his position as Dean of that faculty at the end of the year.

FRED ENGELMANN, PROFESSOR OF POLITICAL science, is the president-elect of the Cana-

dian Political Science Association. He is the first faculty member from an Alberta university to hold the position.

A UNIVERSITY OF ALBERTA PROFESSOR HAS BEEN elected chief executive officer of one of the world's largest international scientific unions. Leszek A. Kosinski, of the department of geography will serve as secretary-general and treasurer of the International Geographical Union for the period 1984-88. The secretariat which Dr. Kosinski now oversees has been transferred to the U of A campus.

PRESIDENTS MYER HOROWITZ, OF THE University, and D.A. Cramp, of the University of Alberta Hospitals, jointly presided at the ceremonies which officially opened the J.W. Scott Health Sciences Library late last year. The library, named in memory of the former dean of medicine, is located on level 2 of the Mackenzie Health Sciences Centre and incorporates the Phyllis Russell Rare Book Room, named for the long-time reference librarian in charge of the University's health sciences collection.

ON OCTOBER 30, DOROTHY SINCLAIR MADE A presentation of books to the department of civil engineering. The books had been purchased with monies donated to a fund established in memory of her late husband, S.R. Sinclair, who served as chairman of the civil engineering department from 1959 to 1973.

A MAJOR CAUSE OF HOME FIRES IS THE IGNITION by cigarettes of bedding, mattresses and upholstered furniture. Now, thanks to a donation from Western Home Comfort and

At the conference, experts from around the world will discuss many of the most-pressing issues which challenge our society and will shape its future — if indeed there will be a future. Sessions will focus on the unemployment crisis, abortion, bioethics, international aid, Canada's role in regional conflict, popular music, and the threat of nuclear war.

Dean Appointed

THE FACULTY OF ENGINEERING HAS A new dean.

Fred Otto began his four-year term at the helm of the Faculty on January 1.

Formerly chairman of the de-



partment of chemical engineering, Dr. Otto received his baccalaureate and master's degrees from the U of A and

Dr. Otto

his doctorate from the University of Michigan.

A native of Hardisty, Alberta, he joined the University in 1962 and achieved the rank of full professor in 1970. His professional experience lies in environmental engineering, production of heavy water, and research in hydrocarbons.

EduLink Established

THE DEPARTMENT OF COMPUTING services at the University has initiated an innovative new service for Edmonton-area owners of IBM PC microcomputers.

Safety Supplies Ltd., the Faculty of Home Economics has an instrument for testing the flammability of these items in accordance with the Canadian government specifications — testing that a number of manufacturers had requested from the Faculty's textile analysis service in the past.

IN JANUARY, LESLIE GUE, PROFESSOR OF educational administration, was granted a singular honor by the government of Thailand. For his role in assisting the Thai government to train and implement a composite educational program in Thai high schools, the education professor has been granted membership in "The Most Noble Order of the King of Thailand." The Thai program, with which Dr. Gue has been involved since it was initiated by the University of Alberta and the Thai government in 1965, has brought more than 350 Thai educators to the U of A for studies.

FOUR MEMBERS OF THE GOLDEN BEAR HOCKEY team and head coach Clare Drake spent Christmas 1984 in Davos, Switzerland participating in the Spengler Cup hockey tournament, which annually features some of Europe's top club teams and national team entries. It was a memorable Christmas for the Canadians coached by Professor Drake — they returned home with the Cup. The Bears on the Cup team were goaltender Ken Hodge, defencemen Tim Krug and Parie Proft, and centre Dennis Cranston.

AMONG THE CANADIAN CONTINGENT WHICH participated in the Women's European Indoor Championships, held in London, England in early January, were Panda's head coach Dru Marshall, who served as the Ca-

nadian manager, and Panda Schona Schleppe, a starter on the team's lineup. Despite losing only one of its five games — and in the process upsetting the powerful West German squad — the Canadian National Team finished fifth in the eight-team tournament on the basis of goals for and against.

THE UNIVERSITY'S RESEARCH SERVICES people have set themselves a goal: a minimum of 50 technology transfer projects between the University and industry in the next five years. While such projects do now exist, Research Services sees an obvious need to expand on these initiatives. Transfer projects might arise from the establishment of a new company, expansion or relocation of an existing company, or new industrial initiatives. Some of the more obvious areas where University/industry co-operation could be beneficial include agricultural engineering, food science, pharmaceuticals, and other health-related endeavors.

THANKS TO THE GENEROSITY OF THE Gardener brothers, Edmonton restaurateurs, a scholarship is now, for the first time, available in the University's department of food science, for first-year students. That's interesting food for thought for grade 12 students who are highly motivated and have an expressed interest in food science.

THE UNIVERSITY NOW HAS ON RECORD THE names of about 400 individuals at Alberta universities who have lived and worked for three months or more in countries other than Canada, the U.S.A., and Western Eu-

rope. The International Development Register was established to assist the public and academics who desire information on foreign — particularly Third World — countries either out of general interest or to prepare themselves for a visit.

A NEW RESOURCE IS NOW AVAILABLE FOR THE benefit of the entire sport community in Alberta. The Sport Performance Unit which has been established at the University provides a variety of services relating to sport performance — assessment and prescription of individual and team training programs, assessment of psychological characteristics of athletes relevant to the sport situation which they perform, assessment and correction of sport skill technique, development of plans for sport organizations, and so on. In addition, seminars and clinics for coaches and administrators are planned.

THE UNIVERSITY COMMUNITY MOURNED THE death of a number of people close to its heart in the past months. Among these were Avadh Behari Bhatia (1921-1984), who joined the physics department in the mid-50s and was director of the Theoretical Physics Institute for five years; Henry R. Ziel (1917-1984), who joined the University as the first chairman of the newly-formed department of industrial and vocational education in 1962; Ernest Sidney Keeping (1895-1984) who came to the University as an assistant professor of mathematics in 1929 and is remembered by generations of students as a truly remarkable teacher and person; and Russell Stuart MacArthur (1918-1984), professor in the department of educational psychology for 26 years.

Through *EduLink*, owners of appropriately-equipped (1200-baud modems and graphic adapters) IBM PC microcomputers will be able to dial a connection to PLATO, the University's computer-based learning system — described as "a computer so sophisticated that anyone with a third-grade reading level can learn to operate it in just a few minutes."

EduLink is unique in Canada, offering its subscribers the same catalogue of lessons available to the *Homelink* subscribers in more than 150 U.S. cities.

PLATO has nearly 7,000 hours of educational programs, and *EduLink* brings subscribers everything from elementary mathematics and games to astronomy, accounting, and computer programming.

Those wishing to subscribe to the service, which is available weekday evenings and weekends, must pay a \$40 registration fee and an hourly rate (normally \$5).

A Commitment to Excellence

ATHLETICS AND THE PURSUIT OF EXCELLENCE have been a part of the University of Alberta since the University's very first years. It is in order to ensure the continuance of that tradition that the Green and Gold Society has been

formed.

The recently-established Society provides a means by which alumni, industry, and other friends of the



University can further the commitment to excellence in athletics at the level of intercollegiate competition. In return, those who subscribe to the Society through their tax-deductible donations are recognized with a range of benefits that bring them closer to the pursuit of excellence which they are fostering.

As a member of the Canadian Inter-university Athletic Union, the University of Alberta provides the opportunity for more than 400 young men and women to compete against local, national and international competition. From their ranks come competitors to represent Canada at the highest level of international competition: the Olympics, and the Commonwealth, Pan American, and World University Games. Others bring recognition and honor to their alma mater through their careers in professional sport.

Money raised through the Green and Gold Society will support the development of new programs, the upgrading of facilities and equipment,

special intercollegiate projects, and other initiatives. It will also contribute to the recognition of outstanding athletic achievements of the past.

In addition to the excitement of being closely involved in first-class athletic events and the satisfaction of having a direct impact upon the quality of the University's athletic program, the Green and Gold Society brings its subscribers other benefits, including: newsletters, memorabilia, preferred seating at events, passes to events, and entry into the Bears' Den and Pavilion Lounges for special activities.

Membership in the society is open to all, and four categories of membership have been established, with benefits increasing in proportion to the size of the annual membership donation. Senior members receive season's passes for the athletic events, passes for use of the University's athletic facilities, and even the opportunity to travel with the teams at special rates.

Membership categories range from the basic \$100-per-year "A" level to the \$1,000-per-year President level, which brings with it membership in the University's President's Club.

Those who wish to share in the University's commitment to athletic excellence are invited to contact the department of athletic services for more information about the Green and Gold Society. Telephone 432-3365 or write:

**Department of Athletic Services
University of Alberta
Edmonton, Alberta T6G 2H9**

Recreational Privileges

The purchase of Alumni User Cards entitles alumni and their families to a number of privileges at the University's Physical Education and Recreation Centre.

This now includes use of squash and racquetball courts, subject to normal booking regulations.

Other facilities include the campus swimming pools, indoor and outdoor jogging tracks, the weight training room (adults only), and the rink.

User cards for the period January 1 to June 30, 1985 are available from the Alumni Office

Family: \$55 Single: \$40

Judges Required

The University of Alberta Debating Society would appreciate hearing from any former members or other persons interested in judging future debates, especially the McGoun Cup (Western Championship) on March 9 and 10, 1985.

Phone Kevin Feth at 456-2734 or Ron Stewart at 487-2207.

Fibre Optics Research Funded

"THIS GRANT IS FOR FUNDAMENTAL fibre optic research that will help us to build an information base from which we can determine technology directions and applications for the next generation of optical communications systems."

With those words, Jan Conradi of Bell-Northern Research Edmonton announced a \$40,000 grant to support research being conducted by George

Cormack, professor of electrical engineering.

Dr. Cormack is investigating coherent optical transmission, which involves shifting the frequency of the light signals sent through a glass fibre.

In the current generation of fibre optic telecommunication systems, a laser is turned off and on as many as several hundred million times per second to send light pulses through a hair-thin glass fibre. Using this technique, BNR has demonstrated the capacity to send more than 10,000 simultaneous telephone conversations over a single optical fibre.

Impressive as that may seem, the new coherent optical transmission technology which Dr. Cormack is investigating has the potential to eventually increase that capacity 100,000-fold.

Over the past two years BNR has committed \$80,000 to the coherent optical transmission project. It is part of the company's co-operative programs with the academic sector says Dr. Conradi, BNR's manager, optical transmission technology, who heads the Edmonton lab that develops the electronic systems for fibre optic communications systems manufactured and marketed worldwide by the optical systems division of Northern Telecom Canada Ltd.

Amoco Supports Seismic Research

THE UNIVERSITY'S PHYSICS DEPARTMENT had a welcome visitor late last fall in the person of Ken West, chief geophysicist for Amoco Canada.

He brought with him not only a cheque for \$10,000 but confirmation that similar cheques will arrive in 1985 and 1986. The money, from the Amoco Foundation through Amoco Canada Petroleum Company Ltd., will pay travel expenses involved in bringing leading scientists to campus for short visits and to support research into exploration geophysics with the emphasis on seismic modeling.

Dr West also said that Amoco will soon give the department a set of seismic cables having a total length of four miles. There are 22 sections, each with a value of \$4,000.

Amoco engages in petroleum exploration and production, but not marketing. Founded in the late 1940s, it now numbers among its employees more than 100 University of Alberta graduates. <

THANK YOU FOR YOUR SUPPORT. WE'RE GLAD YOU'RE ENJOYING READING **NEW TRAIL**

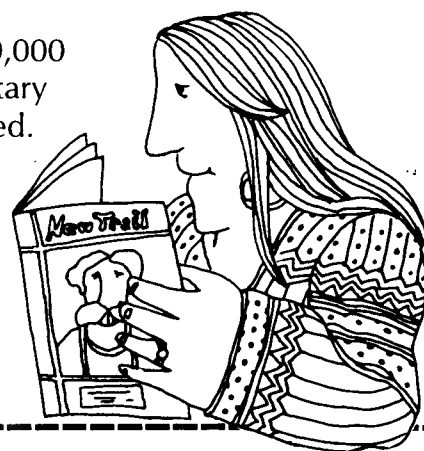
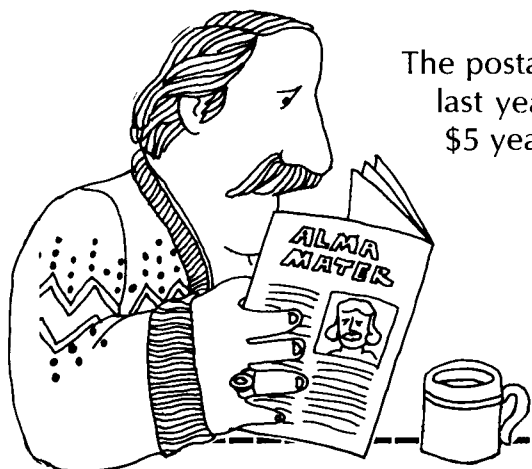
Entertaining, informative and readable, **New Trail** is mailed quarterly to more than 80,000 University of Alberta graduates — wherever in the world they live, free of charge.

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The postage costs this entails — more than \$50,000 last year — are considerable and your voluntary \$5 yearly subscriptions are greatly appreciated.

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Make cheques or money orders payable to the University of Alberta Alumni Association.

Association News

Branch Visits

GRADUATES ON THE WEST COAST WILL have an opportunity to meet the University's vice-president (finance and administration) at branch meetings this spring.

Lorne Leitch, who has been the University's vice-president in charge of finance for more than a decade, will accompany Alumni Association President Robert Heyworth and Alumni Affairs Director Susan Peirce to branch meetings scheduled for Vancouver and Victoria in mid-April. The Victoria meeting, the branch's annual dinner meeting, is planned for the Empress Hotel. The Vancouver meeting is scheduled for the Royal Vancouver Yacht Club on the following day, and will combine a brunch and an annual general meeting.

A branch visit is also being planned for Grande Prairie, Alberta on Tues-

day, April 30. Further details are yet to be announced.

Graduates are advised to watch their mail in early March for a notice of the meeting in their area.

Edmonton Branch

ON NOVEMBER 21, 1984 THE INAUGURAL meeting of the new Edmonton Branch of the University of Alberta Alumni Association was held.

While there had been an active Alumni branch in Edmonton previously, since its dissolution in the 1940's, there had not been an attempt to reorganize the branch.

The purpose of the November meeting was to determine if enough interest existed to re-establish the branch. More than 30 alumni turned out for the meeting and the answer to the question of interest was an emphatic "yes." The meeting's featured speaker, Dean Roger Smith of the Faculty of Business, focused on the reasons why alumni should become involved. Dean Smith emphasized that alumni, as community experts, should be caring people of the community who maintain contact with the University by communicating the positive and negative aspects of the University as seen from their perspective. He also felt that alumni should politically and financially support the University in order to make it a stronger institution.

Those present at the meeting then discussed the possible functions of an Edmonton branch. Some of the major items of concern which the graduates focused upon were: strong communication among administration, students and the community; more information and benefits from the association; and maintaining closer contact with classmates. Cam Murray, '72 BComm, was elected as the interim chairman of the branch and seven other graduates were selected to serve on the constitution and organizing committees. Mr. Murray and the members of both committees plan to meet several times to draw up a branch constitution and by-laws for presentation at the next full meeting of the branch. The next step will be formal approval of the Edmonton Branch by the Alumni Council.

If all goes smoothly, the new branch should be in full operation by June of this year. Indeed, an event has already been planned for March 12, an information and discussion evening featuring guest speakers organized around the theme: "Your University: A Learning Experience for the Whole Family — We May Have More to Offer Than You Think!"

Council Considers New Bylaws

THE ALUMNI COUNCIL, THE GOVERNING body of the General Alumni Association, has had a busy and productive winter.

One of the most important developments to occur was the design of a new set of bylaws for the association. Led by Cathy Boyce, '74 BSc(Nu), the Council met for an all-day session on January 12 to finalize the bylaws, which will now be offered for ratification at the annual general meeting of the Council, scheduled for May 4.

The major accomplishment of these new bylaws is that they allow for a more defined and efficient council. Faculty representation, council duties, committee goals, and meeting purposes have all been clearly defined. If the proposed bylaws are ratified at the

TORONTO

April 14, 1985

Wine & Cheese

To be hosted by Arvid Fonkalsrud

270 Newton Drive

Toronto

Watch your mail for further details.

VANCOUVER

April 14, 1985

Spring Brunch & Annual General Meeting

Special Guests

Professor Lorne Leitch

U of A Vice-President (Finance & Administration)

Robert Heyworth

Alumni Association President

Susan Peirce

Alumni Affairs Director

Royal Vancouver
Yacht Club

Watch your mail for further details.

EDMONTON

March 12, 1985

Evening Discussion

7 to 9 p.m.

Your University: A Learning Experience for
the Whole Family — We May Have More
to Offer Than You Think

2-05 Business Building
University of Alberta

\$5 per person

Contact the Alumni Affairs Office (432-3224) for
further information.

May annual general meeting, Alumni Council will be following the new by-laws as early as June 1985.

Dental Grads To Be Recognized

AGAIN THIS YEAR, THE DENTAL ALUMNI Association will be making some special presentations at the Alberta Dental Association's annual convention.

Slated for May 24 to 26 in Jasper, the convention will include the President's Ball, sponsored by the Dental Alumni Association. Featured at the Ball will be special presentations to members of the 50th and 25th anniversary classes of the University, and the announcement of the winner of the Dental Alumni Association's Outstanding Achievement Award.

Tours Offered

THE ALUMNI ASSOCIATION IS OFFERING two outstanding European Holidays in its 1985 summer tours program. In June, *Passage of the Czars* offers an intimate look at Eastern Europe and the Soviet Union, and in September the *Côtes du Rhône Passage — Côte d'Azur* combines the delights of the French Riviera with a romantic river cruise.

The *Passage of the Czars* is another first for the Alumni Association. In conjunction with Alumni Holidays, the experts in alumni travel, the Alumni Association is offering this outstanding new journey through Ea-

stern Europe, the Soviet Ukraine, and Moscow. This unique 16-day program is scheduled for June 7 to 24, 1985.

The romance that is France is offered in the second voyage available from the Alumni Association and Alumni Holidays. The main feature of this passage, offered between September 1 to 14, 1985, will be a six-night cruise on the lovely Rhone River, meandering through France's Rhone Valley. First, however, there are three nights in Paris, and the passage ends at Cannes on the French Riviera.

New Alumni Group

IN A SURVEY OF GRADUATES OF THE Master of Library Science program, conducted in the spring of 1984, a significant number of the respondents indicated that they would be interested in the establishment of a Faculty of Library Science alumni association. An ad hoc committee was then established to initiate the organization.

The committee has scheduled two meetings to consider formal organization of the association. The first, an exploratory meeting, is scheduled in conjunction with the annual conference of the Library Association of Alberta, to be held at Jasper Park Lodge, May 2 to 5. The second will be held during the annual conference of the Canadian Library Association, to be held in Calgary in June.

The proposed association could: facilitate the sharing of news about graduates and their activities, provide opportunities for alumni to meet for

professional and social purposes, provide career information and assistance for alumni and students, act in an advisory capacity to the Faculty, establish and maintain scholarships and bursaries, support the Faculty program, and establish and maintain liaison with the University of Alberta Alumni Association.

Library Science graduates who are unable to attend one of the scheduled meetings are asked to contact one of the committee members to express interest or concerns. The members of the committee are: Olga Kizlyk, '76 BLS, '82 MLS, faculty representative to the University of Alberta Alumni Association; Sandra Mikalonis, '80 MLS; Sylvia Martin, '81 MLS; Georgina DeMeyer, Library Science student; and Shirley Wright, Faculty of Library Science liaison. <

GRANDE PRAIRIE

April 30, 1985.

A branch function is being planned for this date.
Watch your mail for details.

VICTORIA

March 2, 1985

TINTYPES

This year's musical production takes a delightful look at turn-of-the-century North America

2 p.m.

Phoenix Theatre
University of Victoria

Seats must be reserved by February 27. Phone the box office at 721-8000 and state that you are a U of A alumni member.

April 13, 1985

Annual Dinner Meeting

Special Guests

Professor Lorne Leitch

U of A Vice-President (Finance & Administration)

Robert Heyworth

Alumni Association President

Susan Peirce

Alumni Affairs Director

Empress Hotel

1985 Reunions

The following classes are organizing reunions for 1985:

- '45 **Medicine** Banff/September 30-October 2
- '50 **Civil Engineering** Edmonton/October 4-6
- '55 **Civil Engineering** Edmonton/October 4-6
- '60 **Medicine** Calgary/October 3-4
- '65 **Medicine** Banff/May 3-5
- '70 **Medicine** Fairmont/July 5-7
- '72 **BSc Nursing (Basic)** Lacombe/July 12-14
- '75 **BSc Nursing** Edmonton/September 27-29
- '75 **Dentistry** Vancouver/March 31-April 3
- '75 **Medicine** Fairmont/August 10-11
- ALL Mechanical Engineering** Edmonton/May 24-26

Some locations and dates are tentative. If you are a member of one of the above classes and have not yet received any information about your reunion, please contact the Alumni Office for further details.

Class Notes

'28

RONALD MARTLAND, LLB, '26 BA, '64 LLD(-Honorary), was invested into the Alberta Order of Excellence in December. A retired Supreme Court of Canada Justice, he was admitted to the Alberta bar in 1932 following studies at Oxford University as a Rhodes Scholar. He became one of the leading lawyers in Alberta and participated in a number of prominent cases in the province. He was appointed to the Supreme Court of Canada in 1958.

'30

GEORGE G. FAWCETT, 30 BSc(Ag), and JANET FAWCETT (GOULD), '28 Dip(Nu), now live in the Consort, Alberta Senior Citizens Lodge, having retired from their farm home in 1976.

Editor's Note

Contrary to the impression given by a letter which appeared in the Autumn '84, New Trail, MUNROE MACLEOD, '21 BA, did attend the 60th Anniversary Homecoming of his class.

The Alumni Golden Jubilee Award

Each year, the Alumni Association of the University of Alberta presents the Alumni Golden Jubilee Award to an individual who has made a significant contribution to the University of Alberta. That individual need not necessarily be an alumnus or alumna of the University.

Nominations are now being accepted for the 1985 Alumni Golden Jubilee Award, which is to be presented during the ceremonies of Fall Convocation 1985, to be held on Saturday, November 16, 1985.

Nominations should be made in writing and addressed to:

Alumni Golden Jubilee Award
Office of Alumni Affairs
430 Athabasca Hall
University of Alberta
Edmonton
T6G 2E8

The deadline for nominations is May 31, 1985.

They report that they are enjoying having everything done for them — it gives them more time for involvement in projects and organizations dedicated to improving the life of their community. They hope to return to campus for Homecoming '85 to celebrate the 55th anniversary of George's graduation.

GEORGE V. HAYTHORNE, BA, '32 MA, was in Africa this past year to conduct a course in "Managing Change" at the Institute of Development Management in Gaborone, Botswana. It was a return for him — in 1974 he was the founding director of this institute, which also serves Lesotho and Swaziland. Previous to 1974 he had retired as Canada's deputy minister of labor in 1968, served as commissioner of the prices and incomes commission in 1972 and had been a senior visitor, economics and industrial relations at the University of Cambridge in 1973.

'38

WALTER E. HARRIS, BSc, '38 MSc, was recently appointed a member of the Alberta Special Waste Management Corporation. A former chairman of the University's chemistry department, he has had a distinguished scientific career and was elected a fellow of the Royal Society of Canada and of the American Association for the Advancement of Science.

'48

VICTOR F. MARK, BComm, lives in Calgary and is engaged in business brokerage with the Corporate Investment Group of Richfield Realty Corporation, and is involved in business valuation, litigation and support, and forensic accounting through Mark Lawson and Associates Inc. He also teaches at the University of Calgary.

CLIFFORD D. SMITH, BSc(Eng), is the president of the Canadian Society for Civil Engineering. He is professor and head of the department of civil engineering at the University of Saskatchewan.

'49

RICHARD B. FRANKISH, BSc(Ag), '51 MSc, retired from a 21-year teaching career in 1983. Since then he has restored his '61 Ford Falcon — his labor being rewarded with car show trophies including "Best of Show" at the Edmonton show last June. In August he and wife Ruth moved to their retirement dream home in White Rock, B.C.

'50

MICHAEL A. KOSTEK, BEd, was presented an Alberta Achievement Award (excellence category) by Premier Lougheed at the 1984 Achievement Awards Banquet. He was cited for his significant contributions to the field of education. A former principal, supervisor and executive assistant to the superintendent of the

Edmonton Public School System, he recently completed the writing of *Looking Back*, a history of education within the Edmonton Public School System.

'51

YVONNE L. MUNN, BSc(Nu), '50 Dip(Nu), was recently appointed director of nursing and associate general director of Massachusetts General Hospital, Boston.

K. ANN MACDONALD (HESELTINE), Dip(Nu), '72 BSc(Nu), lives in B.C.'s Okanagan Valley where she is an instructor in the diploma nursing program of Okanagan College.

'52

B.W. WISKEL, BSc(Eng), lives in Elliot Lake, Ontario and is mill superintendent for Rio Algom Ltd.

GORDON D. VAIL, MD, practices family medicine in Manhattan Beach, "a suburb of Los Angeles in sunny California, near the Pacific Ocean where I have been for the past 25 years."

'53

CHARLES H. HANTHO, BSc(Eng) has been named chairman and chief executive officer of C-I-L Inc. following an organizational restructuring of the company. Previously, his title was president and chief executive officer.

RONALD D. SOUTHERN, BSc, formerly president and chief executive officer of ATCO Ltd., has been appointed deputy chairman of the board and chief executive officer of the company.

'54

BETTY CALLOW (BARNECUT), BA, is a social worker with the new expanded support project of Edmonton Home Care Services.

'55

SAUL HOFFMAN, MD, is chief of plastic surgery at The Mount Sinai and Beth Israel Hospitals, New York City.

'56

W. ROSS WALKER, BComm, was recently named senior partner of the firm by the Partners of Peat Marwick. A 28-year veteran of the Peat Marwick organization, he will continue to be located in Toronto, where he has been managing partner since 1977.

WILLIAM D. GRACE, BA, of Edmonton is the president for 1984-85 of the Canadian Institute of Chartered Accountants. He is senior-vice president, finance and a director of Canadian Utilities Limited and is a director of Canadian Trustco.

GEORGE W. LANGE, BComm, is executive assistant to the president of the Canadian National Railways at the corporate headquarters in Montreal.

'57

STAN DMYTRASH, BEd, of Elk Point, Alberta retired from teaching at the end of the last school year and began looking for a position concerned with curriculum revisions and improvement in classroom teaching in Alberta. RAYMOND BEAN, BEd, '66 MEd, of Drumheller, Alberta retired at the end of 1982. Since then he has done a three-month tour of the Pacific and spent two months in Ghana, West Africa on Project Overseas in 1984. He reports that he will "likely take part in more overseas projects in 1985 to ??"

'59

EDWARD R. KLASSEN, DDS, is practicing general dentistry in downtown Calgary.

KENNETH R. PARHAM, BSc(Eng), is now chief production engineer for PanCanadian Petroleum, the company with which he has been employed since 1970.

GORDON L. LANGE, BSc, a member of the chemistry faculty at the University of Guelph since 1967, was recently one of nine Ontario professors to receive the coveted teaching awards presented by the Ontario Confederation of University Faculty Associations for excellence in university teaching. In 1983 he was selected as the outstanding professor of Guelph's College of Physical Sciences.

'60

DENNIS KADATZ, BPE, '65 MA, formerly the head of the University of Calgary's athletic department, is now the general manager of the Calgary Olympic Development Association. He was chosen from among 190 people who applied for the job.

GAIL LANGE (STEPHEN), BA, is one of two Canadian representatives on the board of the Suzuki Association of the Americas. She has been involved in the Suzuki method of music instruction since co-founding the Suzuki String School of Guelph, Ontario in 1972. She began teaching Suzuki Piano in 1974.

'61

JAMES D. WILSON, BSc(Eng), is now the director, systems support, for Burroughs Canada. He has had more than 23 years experience in management positions in the data processing industry.

DALE CAMPBELL BIRDSSELL, MD, the president of the Canadian Society of Plastic Surgeons and an associate clinical professor of surgery at the University of Calgary, was recently elected to the post of historian with the American Society of Plastic and Reconstructive Surgeons.

'62

ROBERT M. ANDERSON, BA, '67 BEd, '69 MEd, has been director of the Canadian Studies Foundation, Toronto for seven years. Before that, he was on the faculty of Memorial

University of Newfoundland.

J. BARRY WORSFOLD, BA, was appointed executive director of the Saskatoon Family Service Bureau in August, 1984.

G. W. RIEDEL, BSc(Ag), '67 PhD, is the chief of the program development and evaluation division, field operations directorate of the federal Health Protections Branch, Ottawa.

'63

ESTHER S. ONDRACK (NIELSEN), BA, was recently named a public member of the board of governors of the Canadian Institute of Chartered Accountants. She is vice-president, administration and corporate secretary and a director of Chieftain Development Company Ltd. of Edmonton.

GEORGE OAKE, BA, is now assistant managing editor of the *Edmonton Journal*.

THOMAS SIDDON, BSc(Eng), who has been an associate professor of mechanical engineering at the University of British Columbia since 1968 and was first elected to parliament in 1978, is now Canada's minister of state for science and technology.

'64

WESLEY ABEL, BSc(Eng), was recently appointed area manager in St. John's, Newfoundland by Mobil Oil Canada.

DENIS PROTTI, BSc, has been granted tenure as a full professor in health information science at the University of Victoria and is the director of that university's new BSc program in health information science.

MORRIS FLEWWELLING, BEd, was recently elected as the Alberta governor on the board of the Heritage Canada Foundation. He is the director of the Red Deer and District Museum. KEN TEARE, BSc(Eng), is now the vice-president, customer service operations for TransAlta Utilities.

'65

GORDON FALCONER, LLB, recently resigned from his position with the Crown Prosecutor's Office in Lethbridge, and he, his wife and their three children have moved to Sydney, Australia, where he has begun studies towards an LL.M degree in criminology.

In Memoriam

The Alumni Association offers its condolences to the families and friends of the following:

JOHN LEONARD ESDALE '20 Dip(Pharm)
October 1984/Vancouver

CHRISTINA CATHERINE MCKNIGHT '22
BA

CLIFFORD DONALD OSTERLAND '26
BSc(Eng) June 1984/Vancouver

FRANCES ISOBEL KIBBLEWHITE '27 BA
June 1984/Vermilion, Alberta

CHRISTOPHER FLANAGAN '28 BEd, '35
Dip(Ed)

HARRY JAMES HARGRAVE '32 BSc(Ag)
Edmonton

ALEXANDER BOTSFORD DENOVAN '35 BSc
July 1984

ELIZABETH ADAMSON '37 BA November
1983

CLAIR K. MALCOLM '37 BSc(Ag)

DOUGLAS BRUCE LAYER '37 BSc August
1984

JOHN VERGIL NIDDRIE '38 Dip(Pharm)
June 1984/Victoria

MARIE M. STURDY (DIXON) '39 BSc June
1984

MATTHEW DAVIS '39 BA, '43 MD July
1984

CHARLES J. ALLISON '39 BA, '47 BEd, '59
MED September 1983/Victoria

WILLIAM ALEXANDER MCGILLIVRAY '40
BA, '41 LLB December 1984

CLIVE ORLAND BALLARD '41 BSc Sep-
tember 1984

COLIN HASTINGS HESELTINE '43 BA, '44
LLB

FRANCIS JOHN LEBOLDUS '47 DDS Au-
gust 1984

RUSSELL STUART MACARTHUR '47 BEd,
'48 MEd Edmonton

CATHERINE E. FITZPATRICK (SHELENE) '47
BSc July 1984

SR. HENRI-MARIE DE LA CROIX '49
Dip(Ed), '51 Dip(Ed), '52 BEd Novem-
ber 1984/Red Deer, Alberta

JULIA V. O'BRIEN '50 Dip(Ed), '58
Dip(Ed), '60 BEd January 1984

JACK PHILLIPS COOPER '53 BSc, '76 MBA
JOHN EDWARD SOREL '59 BSc(Eng) April
1984

WALTER GRANT NOTLEY '60 BA October
1984/High Prairie, Alberta

BARRY JAMES MAILLOUX '61 BSc, '63
MSc

JOYCE EVELYN McDONALD (MILLER) '66
BEd '70 Dip(Ed) October
1984/Edmonton

MICHAEL SHOPIK '69 BEd, '73 Dip(Ed)
February 1984

ERNEST SYDNEY KEEPING '72
'LLD(Honorary) November
1984/Edmonton

MARGARET MARILYN MORTON '82
BSc(HEC) November 1984

HARRY E. STROM '82 LLD(Honorary)
October 1984

RUDY ERNEST GERBER '82 BSc(Ag) De-
cember 1983

MARY JANE REGNAULT (TITELEY) '83
BSc(Nu) September 1984

'66

GARY KRIVY, BEd, '68 MEd, is the new registrar of the University of Calgary. He is also president of the Western Canadian Association of Registrars of Universities and Colleges of Canada.

NEIL SIEMENS, BSc, started work with Ford Motor Company of Canada upon graduation and is still employed with Ford. He is currently administrative manager at the Western Regional Office, Edmonton.

MARY LOBAY, MEd, '63 BEd, has been appointed to the board of directors of Heritage Trust, Edmonton. She is also the chairman of the Edmonton Police Commission.

HAZEL KASSEBAUM (MCINTYRE), BA, in 1983 returned from Phillipines, where she had been working for a UN agency. She is currently a mental health consultant for International Counseling Center in Washington, D.C.

WAYNE E. LUNDQUIST, BComm, was recently promoted to general manager, operations, prairie division, Marathon Realty Company Limited.

'67

JEAN L. WILSON, BA, is now a freelance editor based in Vancouver and working for U of A



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Press, U of T Press, and UBC Press, as well as other publishers and individuals.

VIRGINIA WATSON-ROUSLIN, BA, is a freelance writer, former TV and magazine reporter, and now teaches journalism at the University of Cincinnati. Recently, a short movie she wrote won a top award from the prestigious International Film and TV Festival of New York in the syndicated TV action/adventure category. Titled *A Cold Day in July* it was part of a series of 10-minute comic-horror films called "Terrorvision." This spring, a drama which she co-wrote, *That Funny Fat Kid* will be shown on NBC as part of that network's "Young People's Specials."

'68

BRIAN M THOMLISON, BSc, is president of Cassette Concepts Inc., Canada's Largest marketer of spoken-word audio cassettes — books on tape, old-time radio shows, self-hypnosis tapes, business and personal development tapes. He writes that almost all tapes sold in Canadian bookstores are manufactured by his company.

WILLIAM N. LUNDBERG, BSc(Eng), instructs part-time at the University of Colorado at Colorado Springs, Pikes Peak Community College, and at National College.

WAYNE LAUTT, BSc, and wife MELANIE LAUTT (NICHOLLS), '67 BA, '69 MA, recently moved to Winnipeg, where he accepted a tenured position as a full professor in the department of pharmacology and therapeutics of the University of Manitoba's College of Medicine. He is also the unit head of the College's hepato-renal research unit.

DAVID G. BARRY, MSc, has been elected chairman for 1984-85 of the Canadian Law Information Council. He is a partner in a Saint John, New Brunswick law firm.

VALERIE BRAIDEN (YOUNG), Dip(Nu), recently moved to Ottawa, where her husband is acting as a special advisor on crime prevention to the solicitor general. She is studying geriatric nursing, enjoying Ottawa and hopes to become bilingual.

'69

CATHARINA WORRELL (KOOMAN), Dip(Nu), obtained BSc and MSc degrees in the biological sciences at Simon Fraser University and now resides in Kingston, Jamaica. Her husband lectures at the University of the West Indies; she is busy with a family.

RENATE KIMBER, Dip(PT), recently moved to Ottawa from Quebec, where she was chief therapist of the geriatric unit at CHUL (Quebec). She is now working in the field of homecare.

BRIAN H. STROM, BSc(Ag), has been appointed director of Farm Credit Corporation Canada.

'70

ANN M. SHUBERT, BA, '71 Dip(Ed), '73 BLS, is a cataloguing librarian at the Northern Alberta Institute of Technology. A resident of Sherwood Park, Alberta, she is the mother of an eight-year-old daughter.

DOUG STRAUS, BSc(Eng), has formed his own petroleum engineering consulting company in Calgary under the name Straus Engineering Ltd.

WILLIAM J. TAYLOR, BEd, '75 Dip(Ed), has been principal of C.B. McMurdo Elementary School in Wetaskiwin, Alberta since 1976 and is currently working on a master's degree in educational administration.

TIMOTHY BURKHOLDER, BComm, of Bluesky, Alberta recently assumed the position of executive secretary of the Northwest Conference of the Mennonite Church. The new position involves a move to Edmonton for Timothy and his wife and three children.

JOHN M. FINN, BA, received an MBA degree in transportation economics from Washington State University in 1973 and then spent several years as a transportation consultant before joining Trimac Transportation System, where he continues to manage the truckload freight division he set up in 1979.

'71

JOHN F. GILPIN, BA, '78 MA, is the author of *Edmonton: Gateway to the North*, an illustrated history of the city. A former archivist with the University of Alberta Archives and the Provincial Archives of Alberta, he is now the historic sites designation research coordinator for the Province of Alberta.

DENNIS M. BATIUK, BEd, '75 Dip(Ed), now lives in Winfield, Alberta, where he is the principal of Winfield School. From 1974 until 1984, he had served as principal of Heisler School, Heisler, Alberta.

EDWARD W. PAPP, MD, BMS, was recently appointed clinical head, department of general practice, Edmonton General Hospital. He is on the active clinical staff of the hospital and specializes in family medicine.

GEORGE W. FAULKNER, LLB, '68 BA, of Calgary is vice-president, corporate development,

Homecoming '85

OCTOBER 4, 5, 6

*Fun & Reunion for all
U of A Grads.*

Gold: Class of 1935

Silver: Class of 1960

Diamond: Class of 1925

For assistance in organizing a Homecoming Reunion for your class, contact the Office of Alumni Affairs

of Oakwood Petroleum Ltd.

ANDREW B. KEEBLE, MSc, has returned to the U.K. after spending six years in Solomon Islands as senior lecturer and head of social studies at the Solomon Islands Teachers' College, Honiara, Guadalcanal.

'72

DAVE WHITE, MA, '71 BA, was recently appointed to a three-year term as director of the University of Regina's school of journalism and communications. An experienced reporter in both the print and broadcast media, he was acting director of the journalism school in 1983-84 and co-ordinated an experimental program to train native Indian journalists.

LOUISE L. HATHAWAY (MCLEAN), BEd, is now retired on the family farm after more than 30 years of teaching, 29 of them in the County of Vermilion River. She is now occupied with homemaking, gardening, sewing and crafts, travel and some volunteer work at the local school, but is also looking for a second career.

SIDNEY KAPLAN, BComm, is now the branch manager for the Edmonton operation of Data Terminal Mart.

DAVID R. RICHESON, PhD, of Saskatoon is currently executive director of the Saskatchewan Western Development Museums.

'73

JIM MCCARTNEY, is a partner in the Calgary law firm MacKimmie Matthews and chairman of the insurance committee of the XV Winter Olympics.

KA-TIU YU, BSc, has been promoted to vice-president and senior technical consultant for Security Pacific National Bank, Los Angeles. He joined Security Pacific as a senior systems programmer in 1979 and became an assistant vice-president the following year.

C. GORDON WILSON, is now senior vice-president of Princeton Developments Ltd, a Canadian real estate development and management company with its head office in Edmonton.

GERDA BAKO, MSc, '68 BSc, is working as a

research scientist at the Alberta Cancer Board, department of epidemiology and preventive oncology, Edmonton.

WAYNE FLINTOFF, PhD, '69 BSc, is associate professor of microbiology and immunology at the University of Western Ontario in London, Ontario. He is currently in charge of a research group in basic medicine which is examining molecular mechanisms of drug resistance and genetic mechanisms of persistent viral infections.

OKSANA SUCHOWSKY, BSc, went on to obtain her MD degree from the University of Calgary in 1978 and then to residency in neurology at Vancouver General Hospital. She is now in practice as a clinical neurologist at Foothills Hospital, Calgary and is assistant professor of neurology at the University of Calgary with a special interest in movement disorders and neurogenetic disease.

'74

PATRICK R. JAMIESON, BSc, obtained his PhD from UBC in 1979 and is now with Esso Chemical Canada on assignment with Exxon Chemical Co. in Houston doing research and development work on oilfield and specialty chemicals.

GAIL BACHYNSKI, BA, '77 MSc, is an Edmonton fashion designer who was selected as a semi-finalist in the Clairol Fashion Awards of Canada.

MARK ROBSON, BSc, studied medicine at McGill University and is now in general practice in Arnprior, Ontario.

GARRY LAVOLD, MBA, '69 BSc(Eng), and SANDRA LAVOLD (MOSESON), '66 BA, '73 MA, now live in Halifax, where he is president of Seaforth-Fednav Inc., a marine management company.

JOHN E. MCISAAC, BA, is the assistant city archivist for the City of Edmonton and president of the Alberta Society of Archivists. He is also the co-host of "Archive Search," a weekly television show that looks at aspects of Edmonton's past, and was the photo researcher for *Edmonton: Gateway to the North*, written

by fellow alumnus John Gilpin.

ROD AYRES, BPE, '75 Dip(Ed), lives in St. Paul, Alberta and teaches academic math and coaches girls' volleyball at Ashmont High School.

LYNDA WATSON, BSc, is a resource development consultant who joined the Loram Group of Companies, Calgary in 1977 and most recently served as marketing manager in their engineering arm. With Loram's sponsorship, she is currently participating in the Interchange Canada program, which places her on loan to the federal government. Her assignment with the department of external affairs places her in Ottawa for 1984-85 and then at a Canadian diplomatic post overseas engaged in trade promotion. She returns to Loram in 1987.

SHELLEY ROSS, MD, '72 BMS, is president of the Federation of Medical Women of Canada.

PAMELA YOUNG, BEd, is humane education co-ordinator for the Edmonton SPCA.

'75

DAVID REAM, BSc, and HELEN CLEGG, '79 BComm, report that they live in the heart of Munich, enjoy the Bavarian lifestyle, and welcome any contact with "other U of A'ers." He is product manager, communications for Computer 2000, "a rapidly growing computer additions firm." She is a freelance English teacher whose students are German business people.

DAVID W. PATTERSON, BSc(Eng), returned to Alberta three years ago after more than six years with Ontario Hydro at their Bruce Heavy Water operation. He is now an instrument engineer at Syncrude in Fort McMurray. WAYNE BUCKLEY, PhD, and KATHERINE BUCKLEY (GRIGAT), BSc(Ag), live in Agassiz, B.C., where he is a research scientist for Agriculture Canada. She is a research associate for a major B.C. feed company.

RUTH CHERITON, BFA, '83 MBA, has been in charge of quality review for the Alberta Heritage Fund Mortgage Interest Reduction Program.

ELIZABETH CRUMP, BEd, Dip(Ed), '72 BA, re-



ALLAN S. HAY, '50 BSc, '52 MSc, is the 1984 winner of the Industrial Research Institute Achievement Award in the U.S. A member of the General Electric research staff since 1955, Dr. Hay is research and development manager at GE's Schenectady, New York chemical laboratories and is concurrently an adjunct professor at the University of Massachusetts. The IRI Achievement Award, the eleventh awarded since 1973, recognized his invention of polymerization by oxidative coupling, a fundamentally new technique making possible the production of plastics of high mechanical strength and extreme durability. His citation read (in part): "As founder of one of the fastest-growing segments of the plastics industry, he has pioneered the creation of new and exciting families of engineering materials that have had widespread commercial impact on transportation, industry, the office and the home." The IRI was founded under the auspices of the U.S. National Research Council.

UNTD Recalled

The following text was written by journalist Peter C. Newman who is also Cdr(R) P.C. Newman—to publicize the planned reunion activities of the University Naval Training Division, of which there was a University of Alberta contingent.

INEVITABLY, WE WERE KNOWN AS "UNTI-dies"—but even if the regulars (we called them "pusser types") made fun of us, being a member of the University Naval Training Division in the 1950s and '60s was a rare experience.

Most of the week we were ordinary campus cats, trying our best to baffle the professors, but one night a week, like Superman in his phone booth, we would change into our uniforms (then a dignified navy blue) to attend drill at the nearest naval reserve division.

In those days, the Royal Canadian Navy still had ships with boilers that worked, and those of us who shared a sense of adventure with the sea found the training relatively painless and even exhilarating. (How else could you get paid to go to Bermuda or Hawaii on a three-week sea excursion and get paid for it?) Yes the summers were best, because that was when we took off for either Halifax or Victoria to earn our sea time.

What we learned had little to do with war, consisting mainly of navigation, early morning calisthenics, semaphore, how to march without tripping over your own feet, and even more relentless arm waving and "character-building" pushups.

Well, those days are long gone (as is the Canadian Navy) but in the summer of 1985, as part of the 75th Anniversary celebrations of the Navy's founding, the UNTD is planning regional get-togethers in Toronto, Montreal and Winnipeg, as well as national reunions in Esquimalt and Halifax.

If you were a member of the UNTD (and there are 6,000 of us) and if you are interested in attending one of the 1985 reunions, please write to:

*The Maritime Command Museum
Admiralty House
CFB Halifax
Halifax, NS
B3K 2X0*

ceived her BEd from the University of Toronto in 1981 and is now working toward her PhD at that university.

PATRICIA HEDSON-BENTZ, BEd, lives in Milwaukee, where she formerly taught in the public schools. She is now a professional artist, teaches a modern dance class, and is on the board of Wisconsin Women in the Arts.

'76

CYRIL GUREVITCH, LLB, '75 BA, is a lawyer in a small Grande Prairie law firm, practicing in the field of litigation.

DONALD PAULENCU, BComm, '74 BSc, was recently admitted to partnership by the Partners of Touche Ross, chartered accountants, Edmonton.

BRIAN R. HRYNIUK, BComm, is a manager in the audit and accounting practice of the Edmonton Office of Deloitte Haskins and Sells.

DOUGLAS R. LEAROYD JR., BA, is with Doral Insurance Services, an independent Edmonton insurance agency.

DIANE SMITH-GRANGER, MA, is living in Brooks, Alberta and teaches French at the main and Brooks campuses of Medicine Hat College.

SANDRA A. BELANGER, BEd, reports from Peace River that she is raising a future generation of University students.

RAYLENE MANOLESCU, BA(RecAdmin), for five years has been the supervisor of a Grant MacEwan Community College program that teaches daily-living skills to disabled adults. She is also the new owner of an acreage west of Edmonton that "keeps me busy with my horses in my spare time."

DON LOERKE, BSc, '78 BEd, has taught high school chemistry in Fort McMurray for the past seven years. He writes that he has picked up the travelling bug and has been to the U.S.S.R., England, Ireland, and Greece in the last two years and has also found time to marry.

'77

DALE W. SKOREYKO, BSc, teaches biology and chemistry at McNally Composite High School in Edmonton.

CLAUDE GERMAIN, BEd, teaches all subjects to grades seven, eight, and nine in Fort Providence, N.W.T.

LINDA M. STEARNS, BEd, enjoyed a tour of some "Eastern Block" countries and a three-week seminar in Germany in the summer of 1984. A junior-high teacher in Brooks, Alberta, she was involved with the International Reading Association's conference in Medicine Hat this past fall.

KENNETH LALOGUE, BComm, a chartered accountant, was transferred to Edmonton from Kamloops, B.C. by Price Waterhouse a year ago.

DAVID KATO, BSc, obtained his master's de-

gree in sport medicine from Indiana State University and is now fitness co-ordinator at Lethbridge Community College.

GEORGE C. SMITH, MSc, works for the government of Nova Scotia as supervisor of the poultry division in the agriculture department.

V. BRENT POLOWAY, BSc, is now a district representative for the water treatment division of Alchem Inc. He works out of Lloydminster, Alberta, selling and servicing steam flood projects. He was married in 1982.

CHERYL MARIE BARTLETT, BSc, who specializes in parasitology, received her PhD at a recent convocation of the University of Guelph. Her studies were aided by scholarships from the National Sciences and Engineering Research Council, the Canadian National Sportsmen's Fund, and a Sir James Loughheed Award from the Alberta Heritage Fund. She is continuing her studies on a further scholarship in Paris, France.

'78

GUY ANDERSON, BA, and MAXINE ANDERSON, '79 BEd, are living in Consort, Alberta. After five years of teaching, Maxine is now staying at home with their new son. Guy teaches grade five at Consort School.

LARRY S. DERKACH, BSc, co-ordinates volunteers and public relations for Bissell Centre, a private, non-profit social services agency in Edmonton's inner city.

HILARY DRUMMOND, BSc(OT), '77 Dip(OT), lives in Oliver, B.C. She works three days a week for the Canadian Arthritis Society and two days for the local hospital. In her spare time she grows vegetables.

KENNETH J. DUVAL, BComm, has been appointed a manager in the audit and accounting practice of Deloitte Haskins and Sells, Edmonton.

BRENDA M. STROM, BSc(Nu), is a homemaker and avid painter living in Grande Prairie, Alberta.

JOSEPH WAI-HUNG SO, MSc, is a visiting assistant professor of mathematics at the U of A.

DIANA GIBSON, BComm, has been appointed as a manager in the taxation practice of Deloitte Haskins and Sells, Edmonton.

LORNA SCHNEIDER (PATERSON), MMus, is an instructor at Medicine Hat College. She and her husband Charles, a school teacher, had a baby boy in June.

DENNIS G. STEWART, BSc, is vice-president, exploration for Erskine Resources.

KATHERINE E. MOORE, BPE, '74 BA, '80 MA, was recently appointed staff instructor, physical education department, The Queen's University of Belfast, Northern Ireland.

LEWIS J. O'BRIEN, MD, '76 BMS, is in general and family practice with Algoma Group Health Centre in Sault Ste. Marie, Ontario.

FRANKLIN KOBIE, MBA, was elected president

of the Society of Management Accountants of Alberta for 1984-85.

'79

DONALD N. HARTVIKSEN, 'BEd, has been teaching automobiles at St. Francis High School, Calgary since his graduation. He and his wife, a junior-high math teacher, love Calgary and are now the proud parents of a daughter.

LOREN P. BOURGET, BComm, passed his CA examinations with the Office of the Auditor General for Alberta and is now director of finance for Alberta Hospital, Edmonton.

JANICE L. KLINE (SKUBA), BSc(Pharm), has purchased the former Fred White Pharmacy, which she is operating in new quarters as Meadowlark Village Pharmacy Ltd.

MICHAEL COADY, BSc, graduated from the Palmer College of Chiropractic in June and is now practicing in Aurora, Colorado.

BARBARA FILIPOWSKI, BA, finished her BEd at the Institut Pedagogique de St. Boniface in 1983 and now teaches grade one French immersion in Winnipeg.

MAURA HAMILL, BSc(HEc), taught fashion merchandising at Olds College, Olds, Alberta for one year and now teaches design in the fashion arts department, Niagara College, Welland, Ontario.

DOUGLAS A. ROSS, BSc(Eng), is a project engineer with Underwood McLellan Ltd., Saskatoon and is working part-time toward a master's degree in transportation at the University of Saskatchewan.

PATRICIA SAYERS (KATO), BSc(HEc), is employed in the mortgage department of the Royal Trust Co. in Lethbridge.

GEOFFREY A. McDONELL, BSc(HEc), works for J.D. Kern and Co., Vancouver.

ARTHUR LECCSESE, MSc, earned his PhD in 1982 from the University of Louisville, spent time in Texas as a post-doctoral fellow, and is now a research associate in pharmacology at the School of Pharmacy, University of Maryland at Baltimore.

JOCELYN ROY, BEd, writes that she is enjoying getting to know her newborn son and having a break from teaching high school English at Biggar, Saskatchewan.

'80

KEN SCHUBERT, BSc(Eng), is a data analyst in the information systems department of Dome Petroleum, Calgary.

ANDIE LUK PING KUEN, BSc, teaches high school in Hong Kong.

JOHN TOOGOOD, BA, obtained a master's degree in public administration from Dalhousie University and now works in the planning department of Victoria General Hospital.

C. ELIZABETH GOOD-GEROW (GOOD), BEd, resides in Sexsmith, Alberta and is in her fifth year of teaching junior high language arts.

Married this past summer, she still travels whenever time and money allow.

'81

KEN MAGEE, BSc(Eng), is studying toward a master's degree in metallurgical engineering at the University of British Columbia.

BEV RANDERS, BPE, works as a fitness coordinator in Fort McMurray, Alberta.

SUSAN EDMISON (FORD), BSc(Speech), lives in Hong Kong, where her husband works for a Canadian law firm. She is employed with a program called "Watchdog" dealing with Down's Syndrome children.

RANDOLPH HAUCK, BPE, teaches at St. Basil's Elementary School in Lethbridge, heads the men's program of West Wind Gymnastics Club, and teaches two gymnastics courses at the University of Lethbridge.

PATRICK FREEMAN, BComm, '77 BSc, and wife NORMA FREEMAN (ROSADIUK), '77 BSc(-Pharm), both "love living" in Vancouver. She is enjoying her career with Shoppers Drug Mart, she is currently director of pharmacy operations for western Canada, and is also pursuing an Executive MBA at Simon Fraser University. He is the Pacific marketing region accounting manager with Turbo Resources Ltd.

KENNETH SOROKA, BComm, '78 BA, is an RIA and was recently appointed controller of the Loder Group of Companies, based in Edmonton.

'82

NORMA EDWARDS, BSc(HEc), started her career with Alberta Agriculture in Camrose, Alberta following graduation and is now enjoying her work as the district home economist in Grande Prairie.

JONATHAN C. CALK, BSc, is enrolled in the University of Texas medical school.

ROY COOK, MBA, is now chairman of the editorial board and editor of the editorial pages of the *Edmonton Journal*.

SUSAN ZIEHR, BA, teaches at Rideau Park School, Edmonton.

DAVID E. HUTCHINSON, MSc, is now a senior geotechnical engineer with A.G. Weeks and Partners, Maidstone, Kent, England.

JANET M. DE GROOT, MD, '80 BMS, completed a two-year family medicine residency at Queen's University, Kingston, Ontario and received her CFPC designation last June. In October she left for an eight-month trip through the South Pacific, Southeast Asia, India and Nepal.

MICHAEL PEARSON, BSc(Ag), is employed as a land resource agrologist with Alberta Energy and Natural Resources in Fairview.

MARIANN BEFUS, BSc(OT), '76 Dip(OT), is registered in the master's in health sciences program at McMaster University, Hamilton. RHONA MCADAM, MLS, '80 BA, is a senior records analyst for Corrections, Alberta Solic-

itor General. She is on the executive of the Alberta Writers Guild — her first book of poetry, *Life in Glass*, was published by Longspoon Press last fall.

STEPHEN H. ROSS, BA, lives in Calgary where he works as a stock and commodity broker with Merrill Lynch Canada Inc.

PETER HUANG, MD, '80 BMS, is undertaking an ophthalmology residency at the University of British Columbia.

'83

MYRNA CARRUTHERS (HOFMAN), BEd, lives in Drumheller, Alberta. A business education teacher for Olds College, she teaches in Drumheller at the Big Country Educational Consortium and also raises purebred German Shepherd dogs. Her first child, a son, was born in June.

BENG H. CHAN, BA, is the administration executive for AFAL PTE Ltd., a Malaysian construction and engineering firm.

DEREK SHANTZ, BSc(Ag), recently became the Farm Credit Corporation's resident credit advisor for the Peace River area.

JOAN KNIGHT, MD, '81 BMS, entered a family practice residency at UBC following graduation.

ALICE TANG, BSc(Pharm), is studying for a PhD in medical chemistry at Purdue University, Illinois.

'84

BINOD K. SHRESTHA, MSc, is an administrative officer for the CIDA-funded Karnali-Bheri Integrated Rural Development Project in one of the poorest and remotest regions of Nepal.

CHERYL MIYAUCHI, BA, is studying the history of art at Bryn Mawr College, Pennsylvania. She has one of two full fellowships awarded to foreign students.

GREGORY W. JAYCOCK, LLB, '81 BA, is articling with Parlee, Irving, Henning, Mustard and Rodney, Edmonton.

SYLVIA STROJEK, BA, is teaching and writing at Philips University in Marburg, West Germany.

JAN HUDSON, LLB, writes that she was surprised when her historical novel for young people, *Sweetgrass*, won the Canadian Library Association's award for best children's book of 1984. She reports that she has recovered, however, and is enjoying her articling year with Robert M. Fulton in Edmonton.

JENNEICE LARSEN, PhD, will begin a five-year term as director of the school of nursing at the University of Manitoba in July. Her doctoral dissertation on "The career development of selected nurses with earned doctoral degrees" was selected as the winner of the Canadian Society for the Study of Higher Education's Award in 1983.◄

TECHNOLOGY VS. HUNGER

Excerpts from the 1984 Nathaniel H. Grace 75th Anniversary Lecture in Agriculture, delivered by John L. Dillon.

◁▷

I use a wide definition of Technology. It is not just man's tools or machines. Nor is it merely the way we put materials together to produce goods and services. Rather it encompasses all the use we make of our growing scientific understanding of nature and society in order to improve the welfare of mankind. Therein, of course, lies a problem. How, and by whom, is the welfare of mankind to be defined?

◁▷

Indeed some see technology — as it is currently used — as one of the principal forces of oppression in the world, a force whose redirection is unlikely to be achieved by appeals to good will, social consciousness or normal political process. To quote one writer of this view: "Technology favors the richer nations more than the poorer ones, the ruling classes more than the subordinated ones, the powerful tribes more than the weaker ones, men more than women and even adults more than children...."

◁▷

Had plants and animals never been domesticated, the population growth characteristic of the food collecting and bladed tool epochs would, it is estimated, have given a world population today of only some 10 million.

◁▷

With the development of scientific agriculture, the industrial revolution, the settling of new lands and, especially, the mitigation of disease, population mushroomed from about 730 million in 1750 to a figure of 4.8 billion today, with net additions occurring at the rate of about 1.5 million per week.

◁▷

The fact remains, however, that though it took until 1830 for world population to reach its first billion, today it is approaching five billion and will grow to over six billion by the year 2000. Nor is its growth likely to be halted before 2100, by which time it will inevitably have

reached at least 10 if not 12 billion, of whom nearly 90 per cent will be in (today's) developing countries.

◁▷

The worldwide food debacle predicted by the pessimists has not occurred. Nor on present assessments, is it likely to happen in the foreseeable future. At the same time, it must be emphasized that there is at present, and will continue to be for many generations, so significant a degree of hunger in the world that, for moral and political reasons, it can not be passively accepted by the world community.

◁▷

Currently, about three-quarters of the world's population live in developing countries. Of these 3.6 or so billion people, some 1.3 billion have only 90 per cent of the food they need; some 800 million live in absolute poverty; and some 500 million are seriously undernourished — half of them children under five, of whom some 20 million starve to death each year.

◁▷

Judged on the trend of recent decades, Sub-Saharan Africa is thus the world trouble spot in terms of food production prospects per capita. After a slight absolute increase of about three per cent in food production per capita from 1950 to 1960, it has shown a steady decline. Thus by 1982 there had been an absolute decline in Africa's food production of 15 per cent per capita as compared to 1950, and an 11 per cent decline per capita as compared to 1970. Put more forcefully, the average African today has 10 per cent less homegrown food available to him than he had a decade ago.

◁▷

The mistaken belief that improved agricultural technology can be successfully imported gains ready credence.

◁▷

Moreover, in contrast to the developed countries which have always placed more emphasis on research than on extension, many developing countries still emphasize agricultural extension at the expense of research. They do so in part because of a short-

age of research personnel, but largely in the mistaken belief that knowledge freely available from elsewhere can be easily put to their own needs, regardless of its origin. In fact, the transfer of agricultural technology is an extremely difficult — not a simple — task, so strong is the interaction of agricultural technology with soil, climatic and social factors which impede its diffusion across broad regions. This is particularly so for transfer from the capital-intensive temperate agriculture of the industrialized countries to the labor-intensive tropical agriculture of most developing countries, as was well shown by the failure of this technology-transfer strategy during the 1950s and 1960s when it was favored by aid agencies.

◁▷

In general, imported technology needs substantial adaptation and development before it will be adopted by local farmers. For this to occur, and for their own unique problems to be solved, it is essential that all developing countries have their own indigenous research capability. Lack of this, of course, as convincingly argued by Eicher (1984), is probably the main reason for the spectacular failure of technology transfer to Africa, a failure well reflected in the falling productivity of the African farmer and her husband.

◁▷

As Schultz (1981) has forcefully argued, the attempts of donor countries to assist the Third World by aid have been seriously flawed by the inadequate attention they have given to education as the lynchpin for self-sustained development. The donor community has placed too much emphasis on short-term, project-type activities at the expense of longer-term payoffs from education and research-capacity development. It is important therefore that the IARCs (International Agriculture Research Centres) and developed country research systems, through their co-operation with national agricultural research systems in developing countries, go to some pains to ensure that they also foster university development in these countries. ◁

OUR DAILY BREAD

Excerpts from

The Nathaniel H. Grace 75th Anniversary Lecture

Poverty is the warehouse of hunger. If people are poor, they cannot eat enough. Malnourished, they lack the wherewithal to grow food or to buy it. Mass poverty reflects a maldistribution of wealth, a phenomenon endemic to the developing world, where, for example, in 1980 some 1.5 billion people (about a third of the world's population) had an average income of less than \$400 U.S. The social pathology reflected by poverty, however, is not a disease to be easily or quickly overcome. To do so requires substantial political action aimed at the more equitable distribution of wealth and sharing of growth based on the recognition, as Sen (1983) has put it, of every individual's entitlement to sufficient resources to enable him to purchase enough food to live. If their people's food needs are to be met, a major and continuing need is for developing countries to pursue growth policies which help, rather than hinder, a more equitable distribution of wealth.

As far as the question of the world's long-term capacity to feed itself is concerned, experts — for example, Bale and Duncan (1983) Hanrahan et al. (1984), Mellor (1983) and Schultz (1981) to name a few — are generally agreed that the resources and technology are either available or can be developed to meet foreseeable population needs. For example, it is estimated that, just with the use of existing technology, the Indo-Gangetic Plain alone could feed one billion people. The enhancement of agricultural productivity is likewise technically feasible throughout the world, not least — given the necessary development of suitable technology — in the vast area of South America and Africa still underutilized. Thus, as against a likely stabilized world population of 12 to 15 billion, Clark (1979) has argued that the world has the capacity to support at least 36 billion people — not, moreover, on survival rations nor even at the sparse but healthy Japanese level, but at the wasteful American level of food intake.

In the future, as now, those suffering hunger will do so not because sufficient food cannot be grown

but because their entitlement to it has not been recognized. As Hopper (1977) has said: "The barrier to expanding world food output is the lack of political will and action by both rich and poor. It is not technical and it is not economic."

Developing countries may obtain food by growing it themselves, by importing it commercially, or by gift as food aid. To the extent that they are not self-sufficient, the developing countries must import food commercially or receive food aid if their people are not to go hungry. Imports, however, cost scarce foreign exchange and reduce the funds available for longer-term investment, including the improvement of agricultural productivity. Commercial food imports are therefore to be avoided as far as this is compatible with the reality of comparative advantage, namely, that some of the developed countries are and will continue to be very efficient food producers and exporters. Likewise, except in situations of disaster, food aid is also preferably to be avoided: not only is its administrative cost very high if it is to be used as intended, but it can also act as a disincentive to local production and, depending as it often does on surpluses in the donor countries, it tends to be uncertain.

The goal of the developing countries for the foreseeable future should therefore be to enhance their food self-sufficiency as strongly as possible. This is not to say that food imports will not be needed or will have no place in the future. Indeed, as food consumption increases with rising incomes in the more successful developing countries, food imports will naturally expand. Thus it has been estimated that developing country food imports, which rose from 30 million tonnes (of which food aid constituted 39 per cent) in 1961-63 to 97 million tonnes (8 per cent) in 1981, will rise to as much as 158 million tonnes (11 percent) by 1990 — despite the efforts of developing countries to minimize their need for food imports.

The impediments to enhancing food self-sufficiency in the developing countries are manifold, though perhaps ubiquitous only to much of

John L. Dillon

Africa. At the general level, these impediments run the gamut from ill-health and illiteracy to an inadequate social milieu generating religious fanatics, rat-bag ideologues, corruption, civil disturbance, political instability and flows of unwanted hungry — if not starving — refugees. Africa takes the Gold Medal here, Latin America the Silver. Suffice to note the current reports of widespread starvation in northern Ethiopia against the backdrop of the military government's U.S. \$100 million extravagance to celebrate the tenth anniversary of its rise to power.

In the context of agriculture itself, the impediments to enhancing self-sufficiency fall under three major headings. Foremost, and capable of reason-

able correction in the immediate short term, is the problem of inappropriate agricultural policies. The developed countries tend to mollycoddle their agricultural sector. In contrast, the developing countries — mistakenly conceiving modernization as industrialization — for far too long exploited their traditional agricultural sector, seeing it merely as a source of labor, cheap food and revenue for industrial development. Moreover, they generally continue to discriminate against agriculture through artificially low food prices aimed at the politically more powerful urban consumer. Such a price policy is not only a direct disincentive to the production of a marketable food surplus, but also means lower incomes and hence lower consumption in rural areas where most of the population and most of the poor live. As well, developing country policies on price, trade and foreign exchange are often inconsistent and volatile, thus making it difficult for their agricultural sector to cope with changing conditions.

A second impediment impinging directly on agriculture is the inadequacy of investment in such necessary infrastructure as transport, storage, communication, input distribution points and irrigation, etc. Given the will, significant rectification of these deficiencies should be feasible in the medium term of one or two decades.

Thirdly, there is the impediment of humble agricultural technology with consequent low productivity. This reflects an inadequate and ineffectual investment in the agricultural research necessary for the development of improved farming systems and agricultural institutions. Without such research, the deficiencies of the natural and social environments faced by farmers in developing countries will never be overcome. By its nature, however, such research is a continuing task requiring patient and persistent effort. It is not a slot machine for miracles. Rather, it requires strong and purposeful investment over decades in the development of both scientific manpower and physical facilities. Only with such continuing investment will it be possible to establish the scientific base from which, over the long term, an ongoing flow of new technology can be generated for farming system improvement. Unattractive though it be to the myopic vision of politicians, especially in developing countries with

John L. Dillon,

one of the world's foremost agricultural economists and a leader in the development of farm management and production economics, is the head of the department of agricultural economics and business management at the University of New England in Armidale, Australia.



A widely-sought lecturer and consultant in agriculture, economics, and related fields, he has advised agricultural development agencies in Hungary, Chile, Nigeria, Brazil, Egypt, West Germany, and India. As a Ford Foundation visiting professor, he has travelled to South American universities in Chile and Brazil and visited the Indian Agricultural Research Institute, New Delhi.

Dr. Dillon is a member of the board of governors of the International Crops Research Institute for the Semi-Arid Tropics and sits on the advisory committee on financial reporting and budget study of the Consultative Group for International Agricultural Research.

Dr. Dillon, along with colleague Earl Heady of Iowa State University, has been widely recognized for his ground-breaking work in the field of farm management — that recognition including an award for Research Publication of Enduring Quality they received jointly from the American Agricultural Economics Association. Their theories and texts are the basis for agricultural courses taught at universities around the world.

The Nathaniel H. Grace 75th Anniversary

Lectureship in Agriculture is one of three annual lectureships sponsored by the Alberta Research Council for a five-year period. The lecture series is a gift from the Council to the University of Alberta in recognition of the University's 75th Anniversary, which was celebrated in 1983. Nathaniel Grace was the first full-time director of the Council.

their high opportunity cost of capital, such long-term research investment is crucial to agricultural development.

Research is nothing new. From when plants were first domesticated around 8,000 BC, seeds were selected from better plants for the next sowing. This was doubtless done by women — who still produce at least 50 per cent of the world's food — and entailed a conscious decision to use time and effort drawn from other activities. Today, agricultural research as it has developed in the industrialized countries is a highly formalized, expensive and sophisticated activity. Its dominant philosophy has been reductionist (sometimes described as leading to knowing everything about nothing of significance!) with the concomitant development of increasingly specialized disciplines. This approach has worked very successfully in the developed world where it has not been out of kilter with either the political power of farmers or their general level of technical sophistication.

For developing countries, however, the reductionist model with its disciplinary and commodity specialisms is increasingly being seen as inadequate. The reasons for this are basically two. First, the great majority of farmers in developing countries are very poor and lack the political influence and power necessary to ensure that their research needs are met. In consequence, much of the research conducted is misdirected in terms of the felt needs of small farmers. Second, as well as being poor, these farmers are generally neither well-educated nor technically-sophisticated. They lack the education and know-how necessary to avail themselves of research results that are not well attuned to their specific circumstances. It is not surprising, therefore, that the developed-country approach to agricultural research has not worked well in the developing countries in terms of farmers' acceptance of its products. Not only has this implied a waste of scarce research resources, but it has also tended to give research a bad name.

What is needed in the developing countries is a research approach and institutional framework for research which brings the farmer to the fore. The means to this is what is now known as the farming systems approach to research or, as Chambers (1984) has dubbed it, the farmer-first-and-last model. Such an approach is holistic in philosophy (sometimes described as knowing nothing about everything of significance!), multidisciplinary in nature, and emphasises understanding of the resource-poor Third World farmer's aspirations, his preferences, his environment and the constraints under which he has to operate. It involves an understanding of the farmer's existing system and its environment — both physical and social — together with an orientation to his felt needs so as to produce improved

technology acceptable to him and his society, a technology, moreover, which aims to be both equity-sensitive and environment-friendly. In contrast to the traditional research approach, the farming systems research approach is "bottom up" from farmer to researcher rather than "top down".

The farming systems research approach is decidedly not, however, a substitute for disciplinary research. Rather, it is complementary and provides a two-way channel of communication between the farm and the research station (or laboratory) to ensure the relevance of disciplinary research. Thus, in addition to research station-based disciplinary research on components of farming systems, the farming systems approach involves on-farm research and testing of potential system improvements in the holistic context of the farmer's production system.

Without doubt, as evidenced by the debates it is generating, the development of a farmer-first-and-last approach to agricultural research in the Third World constitutes a scientific revolution in the Kuhnian (Kuhn 1970) sense. It implies — sad though it may be to disciplinary specialists (particularly plant breeders) who have so far held centre stage — a new paradigm for helping to meet the challenge of Third World hunger. Moreover, it is a paradigm which recognizes the reality of Third World agriculture and, given the necessary funding and, especially, time, offers the best hope yet — pending the arrival of the miracles of biotechnology — for solving, in particular, Africa's food problem.

On that optimistic note, let me finish — as I started — by quoting Bronowski. He concluded *The Ascent of Man* with these words:

We are all afraid for our confidence, for the future, for the world. That is the nature of human imagination. Yet every man, every civilization, has gone forward because of its engagement with what is has set itself to do. The personal commitment of man to his skill, the intellectual commitment and the emotional commitment working together as one, has made the Ascent of Man.

As in the past, the continuation of that Ascent will follow no easy path. It will not be strewn with manna. Given the will, however, man's wit, through Science and Technology, offers the prospect that the Ascent can eventually be made on a full stomach, without hunger. ◀

The title Dr. Dillon gave his lecture was "Technology versus Hunger: Problems and Prospects." These excerpts have been edited slightly for presentation in New Trail. Copies of the complete Nathaniel H. Grace Lecture, including footnotes and references, can be obtained by writing:

**Public Relations Department
Alberta Research Council
4445 Calgary Trail South
Edmonton, Canada T6H 5R7**



In hockey gear or a tux, President Heyworth is a genial ambassador for the Alumni Association and the University.

A Conversation with the Alumni President

Robert Heyworth sat back in the chair with visible relief but not yet total relaxation. It was now after 8 p.m. and it had been a long day — but it was not over yet.

The President of the Alumni Association had just come from coaching a high school basketball game. A classroom teacher at Paul Kane High in St. Albert, he also coaches the school's junior basketball team. (Today, to complicate matters, the Paul Kane gym had been taken over and set up for the impending final examinations, and his team had had to play their 'home' game elsewhere.)

In an hour he would be taking to the ice at Varsity Arena with a team in the University's over-35 league, and now he was prepared to talk with New Trail sharing his thoughts on the role of the alumni in the University and his own experience with the Alumni Association.

A '70 BSc and a '77 MEd graduate, Bob demonstrates to

an outstanding degree the commitment which must come from volunteers if the Alumni Association is to be truly useful to the University and its graduates — and that has meant many long days for him. Now into the final quarter of his one-year term as president, he served as vice-president the previous year, after having joined the Alumni Council as an education rep.

Following are his responses to questions put by New Trail.

WHAT SORT OF EXPERIENCE HAS IT BEEN FOR YOU, BEING PRESIDENT OF THE ALUMNI ASSOCIATION?

It has been a really revealing experience for me. I have learned so much and have become so much involved than I ever thought I would be. It is a lot busier than I thought it would be. I think that is partly because the Alumni Association is in a state of change. Right now we are going into some new areas and doing some new things and it takes time and commitment.

I think in the past we have done a good job of taking care of the social needs of the alumni — Homecoming and so on. We have not done so well in getting involved in the University, in taking an active and more aggressive role.

IN FUND RAISING, FOR INSTANCE?

Fund raising is only one area. We can look to developing alumni awareness and alumni feeling as far as raising funds for the University, but I think there is much more to it than that. I think that alumni can play a larger role in the University and help shape the University. With their expertise, alumni can offer a great deal in areas such as helping faculties plan their curriculum — the direction they are going in. There is so much the alumni can be doing and I think we have a start on that right now.

HOW HAS THAT START BEEN MADE?

We are starting on the constitution, revamping that. We are hoping that the new constitution will reflect a more aggressive and more forceful alumni — an alumni more useful to the University. We are trying to get faculty representatives who are keen and in contact with their faculty and want to see their faculty prosper. We are doing many things to make sure that happens.

IT KEEPS YOU BUSY, DOESN'T IT?

It certainly does. My car knows its way from St. Albert to campus now very nicely. It is demanding and there are a lot of things to do and a lot of meetings to attend, but I think that is the essence of it. You want people involved in Alumni Council to spend that time. There is a job to be done and that requires a commitment of themselves and of time. We are not going to get anything done unless people have a commitment, and I think we are starting to get that. Not that others in the past did not have commitment, but what I want to say is that people now are coming with a new sense of

purpose. I think they are willing to put the time in to make things happen.

HAVE THERE BEEN ANY OTHER RECENT DEVELOPMENTS THAT PLEASE YOU?

One is that we are now thinking of an alumni house on campus. That is a dream I have — a meeting place for alumni on campus that is their own. We have offices right now but not a place where alumni can come in and sit down and put their feet up and talk with one another or have a coffee or whatever. It would be a place on campus that alumni could come when they were on campus for any reason at all — whether for a guest lecture, or helping out, or taking part in a sports activity. Or the sole object of their visit could be to drop in to the house and sit down and talk with other alumni. Bit by bit more people are starting to share that dream and I think it is coming.

There is also our Edmonton Branch formation. We have people on the Alumni Council who are coming up with such great ideas now, and we are starting to move on them. The Edmonton Branch for example, that's been a long time coming. I can't say it's my idea, but I am sure pleased that someone in the Council is coming up with this kind of input and making it go.

As well I can't say enough about the staff. We just have a really dedicated and forward-thinking permanent staff — and I would hate to see this interview without that in it because I believe that the staff is the driving force behind many of the good things that are happening. We have a publication that is, in my opinion — I'm just being honest — second to none. Everybody reads it. When I talk to people out in the field they are telling me "Hey, I saw you in the...", or "I read in the...", or "That was a great article on...", "Gee I sure liked the cover picture". I get it all the time. It doesn't matter where I go, "Oh, I saw it in the New Trail..." We have got a flagship that lets people know that we are first class.

And we've got a person like Susan. A lot of the ideas that I'm working on are basically Susan's, I'm sure. She has people going to work with ideas that are really hers — and I think that's great. She is doing a great job, encouraging people and just putting terrible expecta-

tions on me. (I hate her for it.) She just puts great expectations on everybody, and I think that's a sign of a really good director. And the rest of the staff — Sandy and Twylla, for instance — are just first class.

DOES ANY ONE THING STAND OUT AS A HIGHLIGHT OF YOUR TERM AS PRESIDENT TO DATE?

I think there was one, the Kurimoto family's visit* and the brunch we hosted for them. That was very memorable because of the commitment they had. I was very impressed with how important they felt the University was in their lives, how they respected the University, held it in great esteem and demonstrated that. Perhaps the Japanese culture has a bit to do with that, I am not sure, but I got a feeling that the University of Alberta meant a great deal to these people. That was a very memorable experience for me because it hits on what I think so many people are missing in their relationship with the University of Alberta. If they really sat down and thought about it, they would know that there is a deep influence that the University has had upon their lives — and maybe if they felt that a little more they would feel they could help the University a little more, in more ways than just money.

IS THERE ANY OTHER MESSAGE YOU WOULD LIKE TO GIVE TO THE GENERAL MEMBERSHIP?

I would just like to say that we want as much input from the membership as possible. If there is an issue that should be raised, write me at the Association address and let the Council know. Get involved in a branch near you. We are looking for involvement. We are looking for people who want to help and who want to see our university become a world-class, great university. <

**The late Yuichi Kurimoto, '30 BA, 64 LLD (Honorary), was the founder of Nagoya University of Business and Commerce, Japan. The first Japanese national to graduate from the U of A, he was a kind benefactor to his alma mater. In May 1984, his widow and son took part in ceremonies dedicating the Kurimoto Japanese Garden at the University's Devonian Botanic Garden.*

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What are you doing?

Use the space below to let us and, through us, your classmates know what you are doing now.

Miscellany

Remembering DU

When the brothers of Delta Upsilon gathered in Edmonton on the weekend of January 18-20 the weather was far from balmy, but it was warm for the season, much warmer than it had been on that same weekend 50 years ago.

That was the weekend when the Alberta DU chapter was born, and then — so the story goes — it was so cold that the national DU representative, a gentleman who made his home in warm Alabama, took a taxi from the Macdonald Hotel to the meetings held at the Edmonton Club across the street. At the reunion activities held to celebrate the 50th anniversary of DU in Alberta, there were eight individuals who had sat down at the inaugural banquet in 1935. Yes, they agreed, it had been cold, below that temperature where there is no difference between Celsius and Fahrenheit. As to the taxi story....

This year's reunion held to celebrate the 50th anniversary of Delta Upsilon in Alberta capped off more than two years of planning, and an indication of the thoroughness with which the planning committee carried out its work was the fact that approximately 280 brothers of DU — more than one-third of all who have joined the fraternity since 1935—took part.

The weekend was a time for remembering, and some of the warmest memories were those of Dr. W.H. Alexander and of Rutherford House. Dr. Alexander, professor of classics and a member of the University's original faculty, encouraged the local fraternity organized under the name Pi Epsilon and championed its becoming the Alberta DU chapter. Rutherford House was the fraternity's home from 1940 until the University expropriated the property in the late 1960s.

During the course of the Reunion weekend, New Trail asked a few of those present to share some of their memories:

EDGE KING, '43 BSc(Eng), is "supposed to be retired," he says. But it is a busy retirement; in addition to being chairman of the board of the University of Alberta Hospitals, he's actively involved in the direction of other community concerns.

"It's hard to capsule exactly what the fraternity meant to me," he says, "but when I think of my University

days, I think of the fraternity first." Intimately involved with the fraternity as a student, he was the president of the active chapter at the time that DU bought Rutherford House — "ironically, I was president of the building society when it was taken away," he adds.



King

His fondest memory of DU life is of the special relationship that manifested itself in the pre-meal "bull sessions" in the library at Rutherford House. "It may sound funny," he says, "but one of my fondest memories is the ongoing debate for over two sessions as to whether or not they put corn on the cob in cans." It captured the light-hearted spirit of the times, he says — to have gone to a grocery store for evidence would have "simply spoiled it."

Now that he has retired, **BOB JONES**, '35 BSc(Eng), of Calgary is taking life easy to the extent possible and doing some travelling as well. Most recently a Calgary-based consulting engineer, he is a former director of campus development for the University of Alberta.

Although a founding member of the Alberta DU chapter, he never lived in the fraternity house, being a native Edmontonian. For that reason, he says, his memories of the fraternity are not as extensive as those of many of his fellows. Still, he has fond memories of those days, his fondest being of "the guys that I knew, some that I haven't seen for many, many years, and some that I ran into in the army."

A retired brigadier general, he served in the Canadian Forces for 25 years (winning the Order of the Brit-

ish Empire and the Distinguished Service Order during the Second World War and later accepting on behalf of Canada the Canadian portion of the Alaska Highway when it was turned over by the U.S. Army).

Artist and sculptor **ROBERT JOHNSON**, the president of the 1963 DU pledge class, now resides in Armstrong, B.C. He also spends time in Northern Saskatchewan as part of a teaching program which brings music and art to natives living in that region.

"The fraternity was really important to me," he says, remembering his campus days. "It was a real brotherhood." He says the decision to join a fraternity was an important one for him — "not only joining but deciding which one to join." An important factor which led him to DU, he says, was the fact that "there's nothing secret about DU."



Johnson

He has fond memories of Rutherford House and of some of the more exuberant goings on, including "tubbings," dances and the notorious (notorious because it resulted in a widely-publicized visit from The Law) beer-vending machine in Rutherford House.

"The roots go deep," he says, "You are a member for life." To signify his deep feelings, Mr. Johnson made a presentation to the active DU chapter at the reunion ceremonies: a beautiful DU crest he had painstakingly carved out of Thailand teak salvaged from the deck of the S.S. Sunshine Queen, a vessel which had been plying West Coast waters when the chapter was formed 50 years ago.

FRED MILLER, '35 BSc(Ag), may be retired, but that doesn't mean that he is lacking for things to do. There's the golf course, and then there are the various city committees to which he gives his time. He is, for example, a member of the Edmonton historical and archives board and director of the Fort Edmonton Foundation.

A founding member of the Alberta chapter, he describes his fraternity experience as a "very positive" one. "Home" was a ranch bordering the Cypress Hills of southern Alberta and Saskatchewan, so the fraternity house became his campus home. And having "boarded out" to complete his pre-University schooling, he fell naturally into the swing of fraternity house life, he says.

His fondest memories are of the fellowship — and of course of "some of the devilment" that added spice to campus life. "I enjoyed it greatly," he says. And you can see that he truly did.

PAT MAHONEY, '50 BA, '51 LLB, lives in Ottawa these days, but he still maintains his ties with Calgary. Now a justice of the Federal Court of Appeal and the chief justice of the Court Martial Appeals Court, he is still the major



Mahoney

shareholder in the Calgary Stampeders Football Club (something that he hasn't seen fit to brag about in the past while). A former MP representing Calgary South and a former federal minister of state, he was at one time the president of the Stampeders.

He has, he says many funny memories of his campus DU days but chooses as his favorite the memories relating to Peter Loughheed's election as president of the Students' Union —

and to the celebrations that followed. "Pete was sensible enough to go home to bed," he recalls. Apparently not all of his fraternity brothers were.

For many years **SYD SUTHERLAND** owned and operated the Johnstone Walker stores in Edmonton. Now Syd is retired, and he and his wife, Kay, reside year-round in the summer village of Gull Lake, Alberta (and, sadly, the Johnstone Walker stores are no more). At Gull Lake, Syd passes the time golfing, gardening, chopping wood and engaging in other pastoral pursuits. And he's enjoying his friends — "a big part of life, I think."

Sutherland



A founding member of the U of A DU chapter, Syd says that the fraternity meant "companionship primarily," adding that "my closest friends were my fraternity brothers." He remembers DU life as "just generally pretty damn good times." Pressed for a single fondest memory, he is torn between "Jones spiking the fraternity punch," and "playing penny ante for matchsticks."

For "about 30 years," **KEN MOORE**, '49 BA, '52 LLB, has coached hockey in Calgary, but it's safe to say that he's better known for his distinguished legal career. He is now the chief justice of the Court of Queen's Bench, Alberta, and on the day following the DU weekend reunion, he would take part in a historic ceremony, swearing into office Alberta's first female lieutenant-governor, Helen Hunley.

"You may find this surprising," he says, "but more than anything else, the fraternity brought discipline into my life. "We played hard, but there

were times when everybody would study, too. He describes his fraternity days as "five years of happy memories." He was at one time the house manager — a job he found far from onerous: "The house just managed itself; it had to be the most happy-go-lucky collection of guys." That collection included his room-mate, and later law partner, Peter Loughheed.

When the Alberta DU chapter was being formed, **FRANCIS WINSPEAR**, '51 LLD(Honorary), then a member of the U of A faculty, was willing to give his support. (The support of a certain number of faculty members being a University requirement.) Thus began a long relationship from which DU has profited greatly.

Dr. Winspear recalls believing then, as he does now, that an association of boys that age eating, sleeping and living together — and getting involved in the occasional prank — is a good thing, the stuff of which lifelong friendships are forged. "And it was a way to improve the academic record of the students, with the students helping one another," he says.

"We were able to watch them and also to encourage them in sports," he adds, recalling that DU always had representatives on the football team. "The quarterback would usually come from DU — including Peter Loughheed."

When the fraternity purchased Rutherford House in 1940, Dr. Winspear did the negotiating — "although I don't think the idea originated with me." He recalls those negotiations taking place in a "happy manner," with Cecil Rutherford, who negotiated for his father, being kind and considerate throughout. For its new house the fraternity paid \$10,000, a very sizeable commitment in 1940. During the entire period the fraternity occupied the historic house, the deed was in Dr. Winspear's name. For Dr. Winspear, a happy personal benefit of his involvement with Delta Upsilon was the association it brought with William Hardy Alexander, whom he describes as "a wonderful scholar and a fine lecturer, who never took himself too seriously." ◀

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